



DIRECTV H21 High Definition Receiver

With the DIRECTV® H21 receiver, you can access over 265 digital-quality audio and video channels from DIRECTV® in both high definition and standard definition. **Features:** • Versatile HDTV connection options include HDMI digital audio/video and component video, as well as standard composite video and RCA audio. • 1080i picture output resolution formats. • Dolby Digital 5.1 surround sound capable. • MPEG-4 AVC capable. **Includes:** • Access card • B-band convertor • Remote control and batteries • Component, S-video, and standard A/V cables • Phone and power cords • User guide (DIRECTV® service and installation not included) • Mfr. #H21

Order # **33-7703** (ea.) **\$135.00**



DIRECTV® R16 Receiver Plus DVR

The DIRECTV Plus™ DVR receiver lets you record up to 100 hours of programs, and pause or control live TV. With the R16 receiver you can automatically record an entire season of your favorite shows, find and record programs by title, actor, or director, listen to theater-quality Dolby Digital sound, and schedule recording up to 14 days in advance. **Includes:** • Access card • Remote controls and batteries • A/V and S-video cables • Phone and power cords • User guide (DIRECTV® service and installation not included) • Mfr. #R16

Order # **33-7702** (ea.) **\$139.00**



The Terk TRK-S26 is a DIRECTV Multi-Satellite Dish Antenna that provides three integrated LNBs so you can receive all available DIRECTV® programs, including HDTV and DIRECTV PARA TODOST M programming. In addition, it saves you money by eliminating additional hardware installation that you would need to receive these services. The TRK-S26 features four identical outputs letting you connect up to four receivers for a household system, and its compact size makes it an ideal choice to use with RVs and motor homes. A DIRECTV approved antenna is a necessity if you are looking to receive the best from DIRECTV® service. The TRK-S26 can also be installed faster with its refined and improved mounting system and its three-way tilt, for easier rotation.

Order # **33-9670** Mfr. # **TRK-S26** (1-5) **\$101.00**



DIRECTV® Standard Receiver

With the DIRECTV® D12 receiver, you can access over 250 digital-quality channels, plus access interactive capabilities and a customizable on-screen program guide. Explore and personalize all your viewing options quickly and easily with the included remote control. **Features:** • Interactive features include Mix Channels, DIRECTV® Active, and MiniGuide • Parental controls to set rating restrictions and spending limits • Programming options like CHOICE, DIRECTV® Spanish, XM satellite radio and pay per view movie and event channels. **Includes:** • Access card • Remote controls and batteries • A/V and S-video cables • Phone and power cords • User guide (DIRECTV® service and installation not included) • Mfr. #D12-300

Order # **33-7701** (ea.) **\$94.95**



High Definition HR21 Receiver

Add DIRECTV® and DVR Service and you get the best choice and widest selection of high definition programming. **Features:** • Standard-definition (SD) and high definition (HD) enabled • Simultaneous SD and HD output • Record up to 200 hours of SD, or up to 50 hours of HD programming • Two satellite tuners for access to SD and HD DIRECTV programming • 14-day Advanced Program Guide® • Pause and rewind live TV for up to 90 minutes • Series Link® feature • One touch record, auto record, manual record, and bookmarks • Search and record • Interactive TV enabled. • Mfr. #HR21 **Note:** (DIRECTV® service and installation not included).

Order # **33-7704** (ea.) **\$339.00**



DIRECTV® International Dish

With special LNBs designed specifically for DIRECTV® worldDIRECT programming, this dish is equipped with linear and dual LNBs for simultaneous reception of the 95° west and 101° west international programming satellites. An optional multi-switch is required to bring in both satellites. **Features:** • Two outputs on the 95° and two on the 101° • Includes dish, LNBs, arm, and mount. Dish surface dimensions: 24" (H) x 36" (W).

Order # **33-10415** (ea.) **\$99.00**

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DIRECTV® Ka/Ku Dish for HD Programming

The latest in satellite dish antennas, this dish is specifically designed for use with DIRECTV® HR20 and H20 high definition receivers. Capable of MPEG-4 compression, the dish has three LNBs to receive 101°, 110°, and 119° satellites, plus one to receive the new KA satellite (99° and 103°) for local HD programming (where available). **Features:** • Four outputs carry satellite signal from all five satellites • Heavy-duty J-mount with 2" outer diameter mast opening • LNB arm with LNBS attached extends 23.5" from dish surface area. Includes dish, J-mount mast, LNBS, arm and pole attachment. Dish surface dimensions: 25.5" (H) x 29.5" (W).

Order #	Description	(ea.)
33-10410	Ka/Ku Dish	\$146.00
33-10411	Short wall mount brace	14.95
33-10412	Long wall mount brace	14.95



WINEGARD® Portable/Remote Digital Satellite System

• Completely, easy to set up and ready to go • Bases are completely and permanently assembled • Base has built in level and compass • Convenient handle for carrying and 25' of cable permanently stored in the bottom of the base • Perfect for camping, fishing trips, tailgating and picnics

Order #	Description	(ea.)
RD-9046		\$171.69



Channel Master® Satellite Signal Level Meters

The 1004IFD and 1007IFD are intended to aid in the alignment of a satellite dish. They include satellite IF (950~2150MHz) amplification and a broadband detector. The detector drives a meter and a variable frequency audio tone. The dish is then aligned for maximum meter deflection or highest pitch tone. A gain control allows a wide range of input signal levels. The units are connected to the LNB via a short coaxial cable. The 1004IFD output must be connected to the satellite receiver in order to supply power. The units operate from 11-24VDC on the coaxial cable. Connection to the receiver is optional with the 1007IFD, but extends battery life between charges. All models allow measurement of voltage on the coaxial cable. The 1007IFD will also measure LNB current. The 1007IFD includes an internal rechargeable battery pack, carrying strap and a wall plug recharging unit. The internal battery pack allows a dish to be aligned before it is connected to the satellite receiver. The battery pack is switchable between 13 and 18V output, allowing either polarization to be selected when used with a voltage switched LNB. In US DBS applications, LHCP is selected when the LNB voltage is nominally 17V.

Order #	Mfr. #	(ea.)
33-9295	1004IFD	\$59.95
33-9300	1007IFD	129.00

NEW

Single LNB Digital Satellite Meter

Use for fast and accurate satellite dish alignment. This lightweight, easy to use meter is compatible with Dish Network® and DIRECTV® systems, and can be powered by the internal, rechargeable NiMH battery, or by the satellite receiver. Read signal strength on the digital LCD display, or use the variable audible tone function for hands-free operation. Functions include signal strength, current consumption and receiver output voltage. Also includes a DiSEqC multi-switch channel display mode. Includes 18VDC power adaptor.

Order #	(ea.)
33-10405	\$60.77

✓MCR DISHNetwork Block Switch

Use with next generation DBS dishes for DISHNetwork and DIRECTV® to switch between programming on two LNBs. Controlled by the DISHNetwork receiver.

Order #	(1-4)
33-6915	\$30.29



PERFECT 10™ Acutrac®22 Digital Satellite Signal Level Meters

The Acutrac®22 allows an installer to easily align a multi-feed system by displaying LNB A and LNB B signal strength measurement levels simultaneously. The Acutrac®22 features include: LCD display, selectable audio on-off tone, receiver voltage output, individual LNB current consumption, 22KHz tone and coax cable test. **Acutrac®22 Pro also includes:** Rechargeable battery pack, leather case and AC/DC chargers.

Order #	Mfr. #	(ea.)
33-7391	Acutrac22	\$109.00
33-7395	AcutracPro	198.00



Sat-Finder Satellite Meter

The Sat-Finder makes it easy to find maximum satellite signal. Simply connect between the satellite receiver and the LNB to precisely align the dish in seconds. The Sat-Finder has a faster response time than the receiver's signal strength meter for more precise adjustments.

Order #	(1-9)	(10-49)	(50-up)
33-7725	\$26.95	\$26.95	\$25.95



Satellite Finder Kit

The satellite finder kit makes aligning a dish simple and easy. The satellite finder attaches to the output of the LNB or LNA and supplies power to the LNB/LNA via the battery holder, or hook the finder in-line with the receiver. Works with C or K band satellites and DSS/DBS. **Specifications:** Frequency range: 950~1550MHz, power supply: 12-18VDC, 60mA, input sensitivity: 62~80dB, impedance: 75ohm. **Kit includes:** •Satellite finder, compass, RF jumper cable and battery holder all in a vinyl carry case •Use #27-1335 battery pack for DSS applications

Order #	(kit)
33-1975	\$52.95



RF/Satellite CHANNEL VISION® Meter

This hand held CATV/satellite meter has been designed for the technician to make quick and accurate signal strength measurements for both CATV and satellite. This powerful, simple to use tool measures frequencies from 25MHz-1550MHz. •Measures satellite from DIRECTV®, Dish-Network, CATV and broadcast signal strength •Two rows of ten easy-to-read indicator lights •Hand held design, great for use with HDTV •Includes 22KHz tone generator for use with dual satellite systems •Requires 9V battery (included)

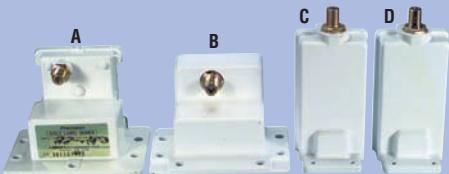
Order #	Mfr. #	(1-9)	(10-up)
33-9695	M200	\$462.00	\$423.00



High Performance Dual LNB

DBS LNB for use with digital satellite system dishes with rectangular shaped tubes. Designed to work with "D" shaped tubes as well. Perfect low cost replacement for damaged LNBs.

Order #	(ea.)
33-7435	\$37.95



Precision C and Ku Band LNBs

"C" and "Ku" band LNBs for use with "C" band antennas. Professional feedhorns and commercial grade LNBs assure high performance with low noise. Input and output frequencies are in GHz.

Fig. Order #	Band	Noise	Input	Output	Freq.	(ea.)
A	33-4695	C	17K	3.7~4.2	.950~1.45	\$24.95
B	33-4700	C	15K	3.4~4.2	.950~1.45	34.95
C	33-4705	Ku	0.6	11.7~12.2	.950~2000	32.27
D	33-4710	Ku	0.5	11.7~12.2	.950~2000	38.95



4DTV Compatible C/Ku Feedhorn with LNB

4DTV compatible C/Ku feedhorn with digital "C" band and "Ku" band LNBs. This feedhorn allows for digital satellite viewing of both formats from one "C" band satellite dish. **Specifications:** (C-Band) Input frequency: 3.7~4.2GHz.

Polarization: Linear, 3 wire servo type. Output frequency: .950~1450GHz. Noise figure: 20°K.

(Ku Band) Input frequency: 10.95~12.5GHz. Polarization: Linear, three wire servo type. Output frequency: .950~1450GHz. Noise figure: .6dB max.

Order #	(ea.)
33-4720	\$194.00



Compass

Economical compass for easily identifying satellite positions. Small size fits in the palm of your hand. Top closes to protect surface from scratches.

Specifications: •Directional accuracy: ±5° •Direction indication: 2°/scale •Dimensions: 72mm x 55mm x 30mm

Order #	(ea.)	(2-10)	(11-up)
33-2050	\$5.34	\$4.87	\$3.81



Suunto Tandem Inclinometer/Compass

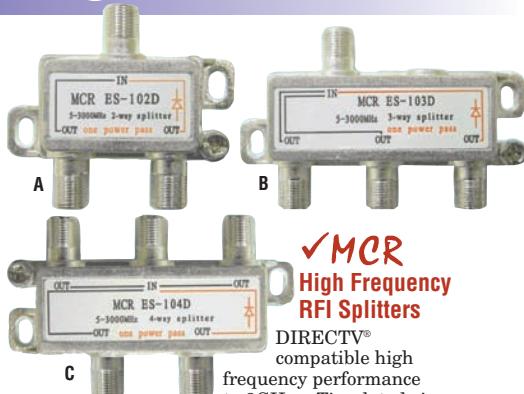
The Suunto Tandem is two precision satellite tools in one. Slope/height (inclinometer) measurements are easily done through the sight to alert you to possible obstructions. Accurate satellite bearings can be found with the liquid filled precision compass. Mfr. #PVCOMAF.

Order #	(ea.)
33-7420	\$209.00



1-800-543-4330

Fax 1-800-765-6960



✓MCR
High Frequency
RFI Splitters

DIRECTV® compatible high frequency performance to 3GHz. • Tin-plated zinc die-cast housing with soldered back to achieve RFI -130dB. • Waterproof and airtight up to 30 P.S.I. with 4.55mm grounding hole and stainless steel screws. • Low thru loss and high isolation with patent pending 360° insert pin. Bandwidth: 5MHz~3000MHz.

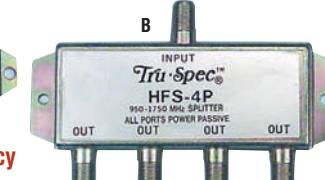
Fig.	Order #	Description	(ea.)	(2-up)
A	33-10245	2-way	\$2.79	\$2.29
B	33-10246	3-way	3.19	2.79
C	33-10247	4-way	3.79	3.19

✓MCR

Mini Hi-Frequency Splitter

Mini hi-frequency splitter saves space in confined areas. DC passive one port. Attached plastic cable channel provides neat installations. Bandwidth: 5~2250MHz. Measures: 2" x 2" x 1" (port to port).

Order #	(1-9)	(10-up)
33-4860	\$5.04	\$4.67



High-Frequency
Splitters

• Heavy-duty, die-cast design • Power passive • Low thru-loss • 950MHz-1750MHz • For use with satellite systems and other high-frequency applications

Fig.	Order #	Description	(1-9)	(10-up)
A	33-0035	2-way	\$8.39	\$8.22
B	33-0040	4-way	13.84	13.19

Budget High Frequency Splitter

High frequency for use in DSS and satellite installations. One port is DC passive. Bandwidth: 5~2400MHz.

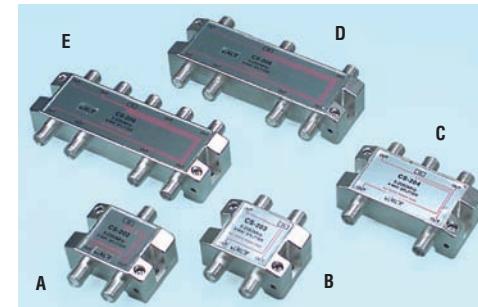
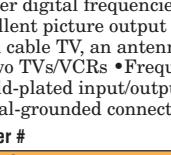
Order #	(1-9)	(10-up)
33-8640	\$2.07	\$2.01

✓MCR

Vertical
Splitters

• Nickel plated zinc die-cast housing • RFI shielding • 2GHz splitters feature one power passive port marked on the splitter

Order #	Description	(1-9)	(10-up)
5-1000MHz			
33-4880	2-way	\$3.02	\$2.59
33-4885	3-way	4.03	3.63
33-4890	4-way	5.04	4.15
33-4895	6-way	6.05	5.19
33-4900	8-way	7.06	6.23
5-2150MHz			
33-7140	2-way	5.99	5.65
33-7150	4-way	9.99	8.99
33-7155	6-way	15.95	13.34
33-7160	8-way	17.95	15.40

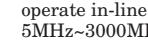
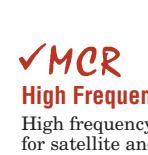


✓MCR

High Frequency Horizontal Satellite Splitters

High frequency splitters used for satellite and DSS applications. Power passive to operate in-line amps and multi-switches. Bandwidth: 5MHz~3000MHz.

Fig	Order #	Description	(1-9)	(10-up)
1 Port Passive				
A	33-4350	2-Way	\$6.05	\$5.19
B	33-4355	3-Way	8.07	7.27
C	33-4360	4-Way	8.99	8.23
D	33-4365	6-Way	16.11	15.55
E	33-4370	8-Way	17.12	16.59
All Ports Passive				
A	33-4375	2-Way	6.49	5.49
B	33-4380	3-Way	8.07	7.27
C	33-4385	4-Way	9.21	8.44
D	33-4390	6-Way	16.35	15.78
E	33-4395	8-Way	17.12	16.59

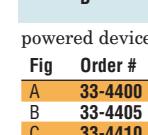
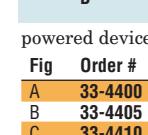


✓MCR

High Frequency Vertical Satellite Splitters

High frequency vertically oriented splitters used for satellite and DSS applications. Power passive to operate in-line amps and multi-switches. Bandwidth: 5MHz~3000MHz.

Fig.	Order #	Description	(1-9)	(10-up)
1 Port Passive				
A	33-10235	2-way	\$5.99	\$5.69
B	33-10236	3-way	7.99	7.59
C	33-10237	4-way	8.99	8.54
D	33-10238	6-way	15.95	15.15
E	33-10239	8-way	16.95	16.10
All Ports Passive				
B	33-10241	3-way	7.99	7.59
C	33-10242	4-way	8.99	8.54
D	33-10243	6-way	15.95	15.15
E	33-10244	8-way	18.95	17.95



✓MCR

Power Passive
Splitters

Power passive splitters allow for use of in-line amplifiers and other DC powered devices. For applications to 1000MHz.

Fig.	Order #	Description	(1-9)	(10-up)
A	33-4400	2-way	\$2.69	\$2.29
B	33-4405	3-way	3.29	2.79
C	33-4410	4-way	3.79	3.39



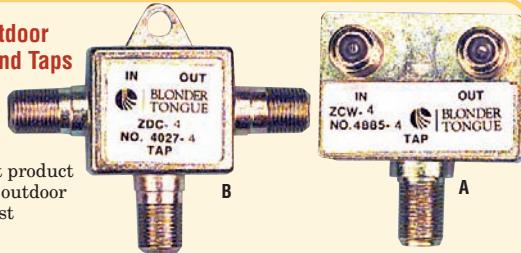
These drop enclosures will house and protect components from the elements that corrode and shorten their lives. Drop boxes produce a professional appearance for cable TV and satellite installations. The Econo Box combines the design and features of a drop box with an economical price. The Omni II box offers simplicity of installation and professional appearance along with a generous interior and the ability to seal the box for drop security. The Residential Control Box is designed to offer visual evidence of tampering and provides for easy maintenance. All boxes are UV resistant and come in a neutral gray color.

Fig.	Order #	Description	Dimensions (H) x (W) x (D) (ea.)
A	33-6940	Econo box	7.25 x 4.75 x 1.75 (D)
B	33-6945	Omni II box	5.75 x 5.0 x 1.25

Fig.	Order #	Description	Dimensions (H) x (W) x (D) (ea.)
C	33-6950	Residential Control box	8.75 x 6.25 x 2.75

BLONDER TONGUE Solder Back Indoor/Outdoor Directional Couplers and Taps

Blonder Tongue offers a complete line of professional quality indoor/outdoor couplers and tapoffs covering frequencies up to 1000MHz. These products are available in both an L or T style cases. The variety of loss values offered guarantees that they have the right product for your application. These products feature a durable outdoor rated soldered back, cast housing, which shields against EMI and RFI disturbances.



Order #	Loss (dB)	(1-9)	(10-up)
A. L Style-SCW models			
33-2941	4	\$2.49	\$2.26
33-2946	6	2.49	2.26
33-2951	9	2.49	2.26
33-2956	12	2.49	2.26
33-2961	16	2.49	2.26
33-2966	20	2.49	2.26
33-2967	24	2.49	2.26
33-2968	27	2.49	2.26
33-2969	30	2.49	2.26

Order #	Loss (dB)	(1-9)	(10-up)
B. In-Line Style-SRT models			
33-2971	4	\$2.49	\$2.26
33-2976	6	2.49	2.26
33-2981	9	2.49	2.26
33-2986	12	2.49	2.26
33-2991	16	2.49	2.26
33-2996	20	2.49	2.26
33-2997	24	2.49	2.26
33-2998	27	2.49	2.26
33-2999	30	2.49	2.26

BLONDER TONGUE Directional Taps

Blonder Tongue offers a complete line of professional quality, economical indoor directional couplers and tapoffs with frequency coverage to 900MHz. Several models are available with four way taps in varying attenuation values.



Order #	Value	(1-9)	(10-up)
33-3000	8dB	\$6.25	\$5.92
33-3010	16dB	6.25	5.92

CATV FM Tapoff

• Zinc die-cast mounting • Provides connection to stereo tuner for MTV and other FM broadcasts usually available on cable TV lines



Order #	(1-9)	(10-99)	(100-up)
33-350	\$4.49	\$4.02	\$3.53

Attenuators

Fixed Mini-Types

• Nickel plated solid brass body • Monolithic ceramic printed circuit board, ensuring rugged construction • Bandwidth: 5KHz~950MHz • Not DC passive • 5% accuracy • 22 gauge steel center pin • Small: 1/4" size • "F" type female to male • 75ohm • Three attenuators to choose from • Sorry—no mixing of values for quantity pricing.

Order #	dB	(1-9)	(10-49)	(50-up)
33-790	3	\$3.09	\$2.68	\$1.77
33-795	6	3.49	3.29	2.79
33-810	12	3.49	3.19	2.89

✓ MCR In-Line Splitters

The in-line port design of these splitters helps to keep cables organized and makes them perfect for installations in crowded areas. Nickel plated zinc die cast construction. Bandwidth: 5~1000MHz.



Order #	Description	(1-9)	(10-up)
33-4865	2-way	\$3.02	\$2.59
33-4870	3-way	4.03	3.63
33-4875	4-way	5.04	4.67

Tru-Spec®

Fixed Mini-Type Attenuator Pads

Features: Nickel-plated, solid brass body, monolithic ceramic printed circuit board, ensuring rugged construction, etched glaze-type resistors provide ±5% accuracy and excellent return loss, small 1.375" size, 22-gauge spring steel center pin, female to male fitting, not DC passive.

Specifications: • Bandwidth: 100KHz-1750MHz

• Return loss: 20dB typical • Accuracy: ±5%

Order #	Description	(1-9)	(10-up)
33-2750	3dB	\$1.30	\$1.03
33-2755	6dB	1.30	1.03
33-2760	8dB	1.30	1.03
33-2765	10dB	1.30	1.03
33-2770	12dB	1.69	1.34
33-2775	16dB	1.30	1.03
33-2780	20dB	1.30	1.03



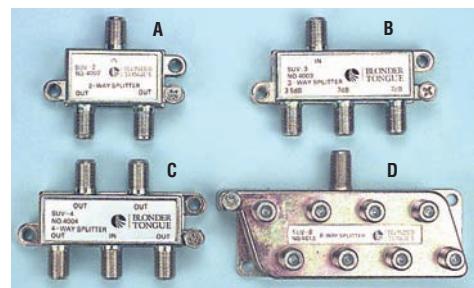
Tru-Spec® Four-Way Couplers

• For indoor and outdoor use • RF shielding exceeds FCC specifications • Maintains 75ohm impedance on trunk • Full 5MHz~900MHz operational range • Use 75ohm terminator on last trunk output (MCM #33-550)

Order #	Description	(1-9)	(10-49)	(50-up)
33-1425	16dB	\$6.25	\$5.92	\$5.40
33-1430	20dB	6.25	5.92	5.40
33-1435	24dB	6.25	5.92	5.40



RF Splitters



BLONDER TONGUE Indoor Splitters

Performance to 1000MHz. 2, 3, 4 and 8 way models. Die-cast housing. RF shielding. Mounting tabs and grounding blocks.

Fig.	Order #	Description	(1-9)	(10-up)
A	33-2900	2-way	\$0.94	\$0.86
B	33-2905	3-way	2.19	1.99
C	33-2910	4-way	3.19	3.19
D	33-2915	8-way	6.39	6.29



RFI Splitters

• For use in applications where additional shielding is needed • 100dB case design exceeds FCC requirements for RF shielding • 25% more zinc content than standard splitters • Case thickness increased by 50% to obtain very good RFI performance • Mounting tabs with screws and grounding block • 5MHz~1000MHz frequency response

Fig.	Order #	Type	(1-9)	(10-up)
A	33-2130	2-way	\$2.11	\$1.86
B	33-2135	3-way	2.92	2.48
C	33-2140	4-way	3.42	3.01



PHILIPS Splitters

• Coaxial connections • Creates signals from one signal source • Useful in connecting picture-in-picture TVs with a cable box

Fig.	Order #	Description	(1-9)
A	M61000	2-way	\$0.99
B	M61001	3-way	1.95
C	M61002	4-way	2.19

CHANNEL PLUS Splitter/Combiner

The Channel Plus bi-directional splitter/combiners provide a 1GHz bandwidth and are ideal for antenna and coaxial cable operations. It can be used to split a signal from a source or combine signals from multiple sources onto one coax run.

Order #	Description	Insertion Loss	DC & IR Passing	(ea.)
2512	2-way	3.5 dB	Yes	\$5.09
2514	4-way	8.0 dB	Yes	7.49
2538	8-way	12.0 dB	No	10.29



Antenna Amplifiers

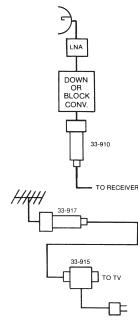


Channel Master® TITAN 2TM Mast Mounted Preamplifiers

The Titan range of mast mounted amplifiers has been completely re-engineered and updated. These amplifiers represent the ultimate in preamplifier performance. They are designed for use as an ultra low noise, ultra high gain preamplifier for deepest fringe applications and MATV headend applications. Their very high signal handling also makes them suitable for use as a mast

mounted, ultra low noise distribution amplifier for use in small MATV systems. Both models feature 75ohm, input and output connections in line with modern headend engineering practice. Models 7777 and 7778 cover both VHF and UHF bands with separate amplification in each band for maximum signal handling. They may be configured for either separate or combined VHF and UHF inputs. They include a switchable FM trap.

Order #	Mfr. #	Input	VHF Gain	UHF Gain	(ea.)
33-8960	7777	UHF/VHF	23dB	26dB	\$62.95
33-8965	7778	UHF/VHF	16dB	23dB	65.95



In-Line Amplifiers

Specifications: • Bandwidth: 5~950MHz
 • Gain: 11dB • Maximum input: 20dB
 • Maximum output: 31dB • Noise figure: 4dB
 • Power requirements: 15VDC
 • Dimensions: 2 1/2" (L) x 1 1/2" (dia) #33-910
DC Passive: For satellite 70MHz in-line amplification when power dividers, low gain LNAs and down converters require additional gain. #33-917 **Non-Passive:** For MATV/CATV applications when antenna preamplification and line amplification is required. #33-915 **Power Supply:** Provides power supply (15VDC) and diplexer for #33-917 and 33-910.

Order #	Type	(1-9)	(10-up)
33-917	Non-Passive Amp	\$12.95	\$11.41
33-910	DC Passive Amp	13.95	11.93
33-915	Power Supply	14.29	13.29



Channel Master® ChannelMax® Outdoor Antenna Amplifier

Amplifies weak UHF/VHF television signals. Increases incoming signal by 20 times. Consists of antenna boom mounted amplifier, UL/CUL listed power supply, 6' RG-59 coaxial cable, weather boot. Packaged in a clear, clam shell blister pack for optimum consumer appeal. **Specifications:** Frequency range: 54-88MHz 174-806MHz. Impedance: 300ohm (in), 75ohm (out). Gain: 13dB. Power required: 120VAC.

Order #	Mfr. #	(ea.)
33-8945	3039	\$34.95



ANTENNAS DIRECT

This powerful UHF/VHF antenna signal amplifier is designed to overcome signal loss related to long cable runs, splitters, and junctions. While an amplifier will not create a signal, it will increase its power and minimize disruptions. Kit includes mast mount amplifier, 110VAC power inserter, and 6' coaxial cable. Frequency range: 40~862MHz. 17db gain. Mfr. #PA-17.

Order #	(ea.)
30-2091	\$49.95



Tru-Spec® In-Line Amplifier

DC line powered amplifier for CATV or antenna applications. Bandwidth is 5~950MHz. Gain is 10dB. Use with #33-915 power supply.

Order #	(1-9)	(10-up)
33-2690	\$6.96	\$6.44

Filters



CHANNEL PLUS
Low Pass Filters

The filter removes all CATV channels above the pass band, allowing insertion of locally generated channels. In addition, the filters remove cable system noise which degrades the picture quality of the locally generated channels.

Order #	Pass Band (MHz)	(ea.)
LPF-380	40-380MHz	\$19.00
LPF-470	40-470MHz	20.00
LPF-600	40-600MHz	32.95
LPF-750	40-750MHz	30.00



CHANNEL PLUS
Notch Filter

Designed to eliminate television channels 64 through 70 thus allowing a clean section of the cable to insert locally generated signals. The center of the notch is channel 67 at -55dB.

Order #	(ea.)
NF64-70	\$25.00



75ohm TV Interference Filters

• Used in cable or antenna systems to remove interference affecting picture quality

Order #	(1-9)	(10-99)	(100-up)
33-0070	\$2.79	\$2.41	\$1.89



Voltage Blocking Coupler

• Blocks DC and low frequency AC power • Solid brass body with nickel plating • Female to male fittings • 22 gauge spring steel center pin • 1~1000MHz bandwidth • 16dB return loss • 0.3dB insertion loss

Order #	(1-9)	(10-up)
33-0020	\$2.69	\$2.39



FM Trap

Audio from the FM band can overcome the audio on adjacent television channels 6 and 7 and harmonics of the FM carrier. The FM trap eliminates the entire FM band from 88 to 108MHz reducing video noise and audio interference.

Order #	(1-9)	(10-49)	(50-up)
33-341	\$2.69	\$2.69	\$2.39



Cable Modem Isolator

Separates and isolates noise/EMI caused by higher cable modem transmission signals. Improves internet download reliability and reduces cable modem "sync" problems. Easily plugs into coax wall jack allowing dedicated runs to a cable modem and TV tuner. • Frequency range: 10~770MHz • Insertion loss: <5.0db.

Order #	(ea.)
33-10395	\$5.99


TERK
TECHNOLOGIES

HDTV Indoor Antennas

Terk indoor HDTV directional antennas are optimized for HDTV reception. Both UHF and VHF elements are uniquely designed for reception of all available HDTV off-air broadcasts (channel 2~69). Highly directional UHF elements reduce signal interference and improve average return loss for better reception and superior performance.

Order #	Mfr. #	Description	(ea.)
30-2000	HDTVi	Non-amplified	\$37.95
30-2005	HDTVa	Amplified	52.95


UHF/VHF TV Antenna

- Dipoles extend to 30"
- Dual UHF loops
- Brass with polished chrome finish
- Black base with 33" lead length

Order #	(1-9)	(10-up)
30-655	\$5.07	\$4.17

MCM
HDTV Indoor Amplified Antenna

Ideally suited for indoor HDTV off-air reception, this indoor HDTV antenna features a low-profile boom design, rotational elements for improved directional gain, and a 7~13dB adjustable gain control (power adaptor included).

Order #	(ea.)
30-2100	\$19.95

NEW

Panasonic Type Dual Antenna

- Replacement antenna for Panasonic, RCA, JC Penney, Quasar and various private brand TV sets
- Five section •9" collapsed •39" extended •21" lead length

Order #	(1-9)	(10-up)
30-060	\$6.12	\$5.91

RCA Indoor Antenna

- Adjustable/retractable VHF dipoles extend up to 39" to improve reception of channels 2~13
- UHF loop for improved reception of channels 14~69
- HDTV compatible
- Attached 3' 75ohm coaxial hook-up cable with "F" connector for easy hook-up
- Off-air reception of local channels-analog or digital
- No-scuff pads protect cabinet/TV top
- Dimensions: 12.7" (L) x 7.1" (W) x 3.0" (H)

Order #	(ea.)
ANT110	\$4.99


PHILIPS VHF/UHF/FM/HD Digital Indoor Antenna

- 12 position fine tuning for best reception
- 34" telescoping dipoles for VHF reception (channels 2~13)
- UHF loop (channels 14~69)
- 6' coaxial cable

Order #	(1-4)	(ea.)
MANT210	\$11.95	


TERK AM/FM Tower

Positioned vertically, the tower receives signals from all directions with equal strength. Used horizontally, it becomes highly directional to pull in weaker and more distant stations. It also distinguishes between signal reflections and the main signal to eliminate overload and multipath difficulties. **Specifications:** **FM stereo section:** •Amplifier gain: Variable 0dB~25dB •Impedance: 75ohm adaptable to 300ohm input with included matching transformer •FM operating band: 88~108MHz **AM stereo section:** •AM operating band: 500~1700KHz •AM gain: 15dB •Range: 360° 17" (H) x 3 1/4" (W)

Order #	(1-9)	(10-up)
30-1110	\$21.95	\$19.95


TERK
TECHNOLOGIES
AM Advantage

The AM Advantage antenna is a passive, fully adjustable indoor AM antenna designed for extended range capability. The antenna is intended to receive AM frequencies 530KHz~1600KHz for local and distant AM reception. The antenna features Pin-Dot™ Pre Tuning system which allow the user to adjust the antenna and match it to the specific frequency. Mfr. #ADVANTAGE.

Order #	(ea.)
30-1395	\$39.95


TERK AM/FM Q

TERK's premium amplified indoor AM/FM antenna. The AM/FM Q features TERK's unique Pin-Dot Pre-Tuning that zeroes in on even hard-to-get stations by tuning the antenna to the station's frequency. Mfr. #AF-1.



Order #	(ea.)	(2-4)	(5-up)
30-1550	\$63.95	\$61.95	\$58.95

TERK
TECHNOLOGIES
FM PRO 50

Designed to provide exceptional long-range FM reception, it may be mounted indoors or outdoors. Advanced Capture Circuitry™ (ACC) ensures that strong signals are locked in and weaker broadcasts are received with less noise. Terk's exclusive Dual Drive Amplifier boosts signals above noise and interference, using a DC-driven phantom power supply that is easily connected to your receiver.

Order #	(ea.)
30-1205	\$95.95

AM Loop Antenna

•Popular replacement AM antenna used on most stereo receivers

- 18 1/2" lead length
- 300ohm impedance
- Antenna has two pin quick connect for equipped systems
- For systems with push terminals or screw terminals, simply cut and strip the ends of the antenna wire for your application

Order #	(1-9)	(10-up)
30-660	\$3.59	\$3.39


FM Dipole Antennas

These high quality FM dipole antennas can be used for many newer FM tuners and receivers. Available in three configurations: 300ohm spade terminals, 75ohm male "F" connector and 75ohm female PAL connector. These antennas are constructed from high quality 300ohm twin-lead and perform significantly better than the OEM supplied straight wire or a split two conductor antennas providing higher quality FM reception.

Order #	Description	(1-9)	(10-up)
30-1530	Male "F" connector	\$2.29	\$1.59
30-1535	Female PAL connector	1.69	1.19
30-110	Spade terminals	1.69	1.49





Multi-Directional HDTV UHF Antennas

ANTENNAS DIRECT Multi-directional antennas are designed to work in locations where the transmitters for digital stations are spread apart. These popular HD antennas utilize a bowtie design that provides a strong gain across the entire UHF spectrum (channels 14-69). They function incredibly well in areas where flexible aiming is required and feature a weatherproof construction that resists extreme wind loading.

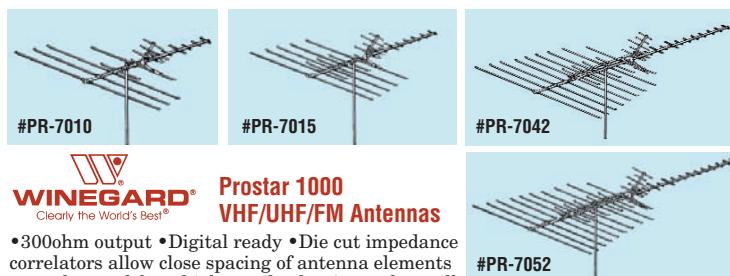
Order #	Description	Range Miles	Gain	Dimensions (H) x (W) x (D) (ea.)	
30-2065	Indoor/outdoor, low-profile, short range	1-30	11.4db	12" x 19" x 4"	\$39.95
30-2066	Outdoor, most popular, mid-range	15-55	13.7db	29" x 19" x 4"	58.95
30-2067	Outdoor, high-gain, long range	50-70	15.8db	29" x 42" x 4"	94.95



Uni-Directional HDTV UHF Antennas

These powerful, weather-resistant, outdoor antennas are ideal for medium to long range applications that require the gain of the antenna to be concentrated in one direction. The Yagi style design effectively rejects off axis signals from structures that cause multi-path interference, and the corner reflectors on the back of the antennas improve the forward gain of the antenna resulting in exceptional performance across the entire UHF spectrum (channels 14-69).

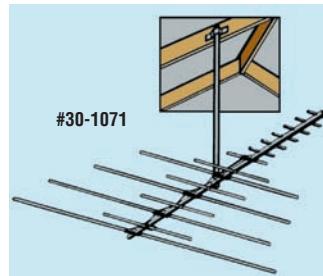
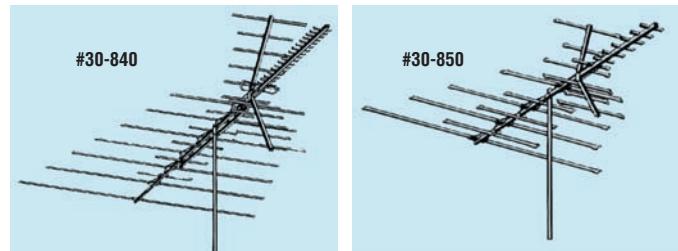
Order #	Description	Range miles	Gain db	Dimensions (H) x (W) x (L) (ea.)	
30-2070	Compact, 15-element, short-range	1-30	11.0	14" x 13" x 35"	\$47.50
30-2071	Mid-sized, 43-element, long-range	15-60	15.7	19" x 18" x 62"	63.95
30-2072	Large, high-gain, 91-element, long range	50-70+	16.7	22" x 20" x 93"	94.95



Prostar 1000 VHF/UHF/FM Antennas

•300ohm output •Digital ready •Die cut impedance correlators allow close spacing of antenna elements manufactured from high tensile aluminum that will withstand strong wind and ice •Aluminum is protected with high quality polymer finish to protect for oxidation •Exclusive wrap-around mast clamps can not crush antenna or boom mast •Completely automatic hardware

Order #	Active Elements	VHF Elements	UHF Elements	Boom Length	(ea.)
PR-7010	22	9	13	16.5"	\$99.95
PR-7015	31	12	19	87.75"	84.95
PR-7042	43	17	26	149.75"	145.00
PR-7052	49	21	28	170.25"	169.00

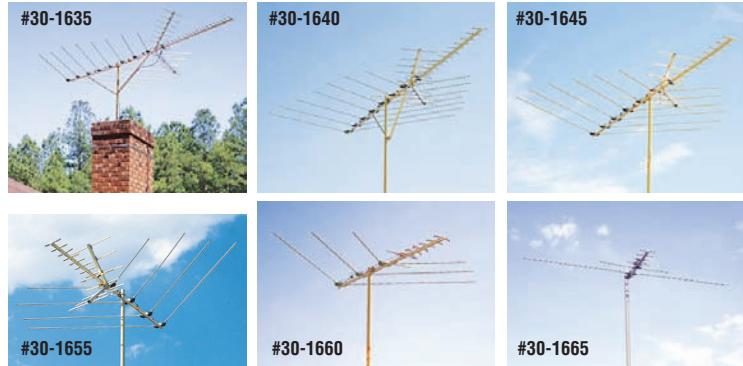


antennacraft

UHF/VHF/FM Antennas

•300ohm output, includes 75ohm transformer

Order #	Description	Length	Elements	(ea.)
30-840	Colorstar 480	150"	48	\$68.95
30-850	Color King 5884	58"	25	32.95

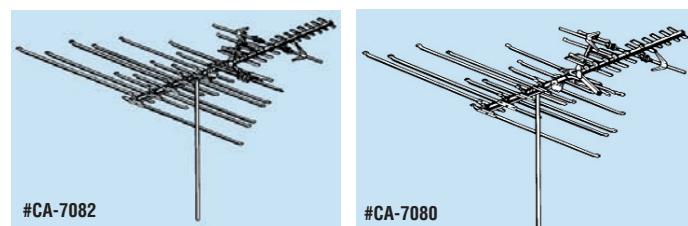


Channel Master® Advantage Series Antennas

The Advantage line of antennas was designed with the Do-It-Yourself installer in mind. All models are UPS shippable and will fit in most any vehicle. Superior performance, economy, pricing, and pre-assembled for ease of installation, make this antenna line the perfect choice for the self-installer. Includes balun, weather boot and S clip.

Order #	Mfr. #	Boom Length	(ea.)
30-1635	3020	152"	\$99.95
30-1640*	3019	133"	104.81
30-1645	3018	113"	69.95
30-1655	3016	66"	45.95
30-1660	3014	52"	32.95
30-1665	2001	27"	24.95

*Limited quantities



WINEGARD®

Clearly the World's Best®

Chromstar 2000 VHF/UHF/FM Antennas

•75ohm output •1dB to 2dB higher gain on VHF and UHF for improved picture quality •Zinc plated steel hardware •Polyethylene boot covers keep connections clean and dry •Aluminum is protected with a high-quality polymer finish to protect from oxidation

Order #	Active Elements	VHF Elements	UHF Elements	Boom Length	(ea.)
CA-7082	50	18	32	110.5"	\$135.00
CA-7080	39	14	25	90"	149.75

PHILIPS**UHF Indoor/Outdoor Antenna**

Easiest and best solution for urban/suburban UHF DTV (digital TV) reception. Perfect alternative to conventional outdoor antennas. **Features:** • Built-in optimum gain amplifier, 18dB UHF, with low noise circuitry, under 3.5dB, for best possible DTV performance • Efficient flat panel UHF array, up to 40 miles range • Compact yet effective size, 5" x 10" • Easily mounts on wall, mast or railing • Can be used with rotor (optional, mast only) • Ideal for RV or boat. Includes 20' cable, power injector, power supply, and flexible mounting kit.



Order # (1-4)
MANT940 \$39.95

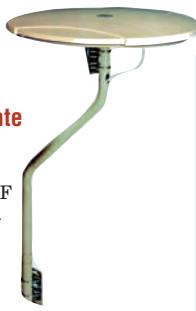
**TERK HDTV Amplified Outdoor Antenna**

The Terk HDTV is an innovative, compact, amplified outdoor antenna that features powerful high gain, and offers versatile installation flexibility. Its unique design incorporates a highly directional log periodic antenna array and a pair of curved elements that combine to capture and focus HDTV signals. Mount flush to the side of a building, or use the included multi-mount mini-mast and base to install virtually anywhere.

Order # (ea.)
30-2020 \$114.00

a antennacraft Omni-State Omni-Directional Antenna

The Omni-State antenna provides excellent reception of VHF and UHF channels in most viewing locations. Measures 21" in diameter and has a 20dB built-in amplifier. Operates on 120VAC with the supplied adaptor.



Order # (ea.)
30-1335 \$74.95

**TERK TECHNOLOGIES Amplified, Satellite Dish Mounted, Clip-On TV Antenna**

Now you can keep the great satellite programming you have, pick up local HD stations not currently available from service providers and get free local programming too with the TERK TV44. The TV44 has a patented clip on design that attaches directly to your satellite dish without any tools. The TV44 was developed to be weather resistant, ensuring years of enjoyment, and its internal amplifier minimizes signal loss for the best reception possible.

Order # Mfr. # (ea.)
33-9655 TV-44 \$58.95

TERK TECHNOLOGIES Satellite Radio Replacement Antennas

Practically invisible, these mini antennas have a powerful magnetic base with rubberized feet to facilitate versatile mounting and placement without drilling into the vehicle surface. Each antenna is for exclusive use of XM or Sirius satellite radio receivers. Dimensions: 1.37" (W) x .5" (H) x 1.25" (D).

**TERK TECHNOLOGIES Sirius™ Satellite Radio Outdoor Antenna**

Maximize the signal strength of your SIRIUS™ dedicated home, or plug-and-play single input receiver/ radio. This all-weather antenna can be mounted on an exterior wall or roof with the supplied universal mounting bracket and hardware. The SIR6 comes with a 30' detachable cable to facilitate easy cable routing and hook-up. Dimensions: 3 1/16" (W) x 4 3/4" (H) x 12 1/16" (D). Mfr. #SIR6.



Order # (ea.)
33-10390 \$79.95

a antennacraft Scanner Antenna

Covers VHF/UHF public service bands 30~1300MHz. Includes 300 to 750ohm matching transformer and 50' RG-6 coax cable.

Order # (ea.)
30-1380 \$42.95

**a antennacraft FM Turnstyle**

• Offers the gain of a folded dipole with an omni-directional pattern • Works in areas where stations are situated in many directions

Order # (ea.)
30-855 \$21.95

**Channel Master® STEALTHtenna™ UHF/VHF Antenna**

Optimized for HDTV/digital and analog reception, the STEALTHtenna offers the performance and aesthetics that today's consumers demand for their ever changing reception needs. Rear mounting bracket design allows the STEALTHtenna to be easily installed under an eave for an inconspicuous installation. STEALTHtenna may also be mounted in traditional roof, chimney, wall and attic configurations. Optional amplifier provides split band amplification and is optimized for HDTV/digital as well as analog signals. **Specifications:** Gain: 15dB UHF, 15dB VHF/FM. Power 12-22VDC via included adaptor.

Order #	Mfr. #	Description	(ea.)
30-1715	3010	Stealthtenna	\$37.95
30-1720	3038	Stealthtenna amplifier	29.95

PHILIPS UHF/VHF/FM Indoor/Outdoor Antenna

This versatile antenna is designed to look as great as it performs. Use it indoors or out for superior reception in urban or suburban areas. Lightweight, compact and easily mountable, it's equally at home on your roof or patio rail, in your attic or family room. **Features:** • Dual element for best reception and range, up to 40 miles • Superior reception over UHF and VHF bands • Ideal for both today's analog reception and the future's digital TV (DTV) • 18dB/VHF, 15dB/UHF amplifier gain for extended reception range • Low noise amplifier maintains carrier-to-noise ratio, critical for DTV • Can be used with rotor (optional, mast only). Includes hardware, power supply and 20' cable.

Order # (1-4)
MANT950 \$85.95

**TERK TECHNOLOGIES TV55 Antenna**

The TV55 indoor/outdoor amplified antenna is optimized for HDTV reception. The TV55's helical coil technology and patented dual-mode ultra-low-noise amplifier provide clear, powerful reception of HDTV and analog VHF/UHF broadcast signals, and its slim-profile design allows easy mounting under a windowsill, on a rooftop, on a wall or in any number of locations inside or outside a home. The TV55 includes cables and weatherproof stainless steel connectors. The kit combines local and satellite signals into a single RG-6 coaxial cable, eliminating the need to run an extra wire from the dish to the home. **Accessories included:** (1) power injector with 110VAC to DC power adaptor, mast, wall and window mount hardware, (1) 9 1/2" flat coaxial cable, (1) 36" RG-6 coaxial cable. Mfr. #TV-55.

Order # (ea.)
30-1525 \$73.95


**ANTENNAS
DIRECT**
Antenna Rotator
with Memory and
Remote Control

The remote controlled antenna rotator with 12 position memory is ideally suited for use in today's home theater systems. Micro-processor control allows for up to 12 memory positions to be stored. Dual display shows both direction and memory position. Uses standard three conductor rotator wire (#24-3080).

Order # **30-1101** (ea.) **\$84.95**


a antennacraft Antenna Rotator

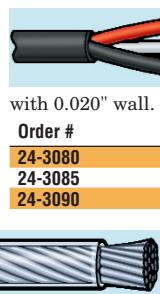
• Heavy-duty motor handles large antennas • Extra strong machine cut gears won't bind • Brake pads hold firm • Tested to 70 mph winds • Requires three-wire rotator wire (#24-3080)

Order # **30-1020** (ea.) **\$79.95**


Economical Antenna Rotator

Our economical antenna rotator helps improve TV and FM reception. Two piece connects via three wire rotator cable. Adjustable clamp accommodates mast up to 1 1/2".

Order # **30-1100** (ea.) **\$63.95**


Rotator Cable

Three conductor cable for use with many popular antenna rotators. Outer jacket 0.162" black PVC with 0.020" wall. Three 20AWG conductors color coded black, white and red.

Order #	Length	(ea.)	(2-4)	(5-up)
24-3080	100'	\$25.95	\$22.34	\$20.80
24-3085	500'	111.00	101.94	94.25
24-3090	1000'	199.00	183.49	169.65

EASY-UP Guy Wire

• 18 gauge, 6 strand heavy-duty guy wire • Vinyl coated to reduce effects of weather • Length: 100'

(ea.)
\$11.95


In-Line Surge Protector

Protect your cable modem, tuner, convertor, decoder, and satellite receiver from power surges and spikes caused by lightning strikes. Plugs directly into coax line. • Frequency range: 5~2,400MHz • Insertion loss: 1.5dB max • Max surge current: 5000A

Order # **33-10400** (1-9) **\$6.39**


**Double Galvanic
Lightning Arrestor**

Protects your valuable video equipment from voltage surges caused by lightning strikes to or near antennas or cable television lines. Frequency range: 5MHz~1GHz.

Order # **33-8695** (1-9) **\$5.19** (10-up) **\$4.81**


EASY-UP Tripod
Roof Mounts

• Mounts TV antennas without guy wires • Self supporting • Extra heavy-duty with rotamast feature • Fits mast up to 1 1/4" • Six screw mast support

Order # **30-925** Size **3'** (ea.) **\$29.95**
30-930 **5'** **32.95**


WINEGARD
Clearly The World's Best®

"J" Pipe Mount

Designed for outdoor antenna use and can be used on the roof or side of the house. The mount foot can be used on either end of the pipe for most efficient mounting. • Galvanized steel • 38" long • Wall thickness: .060" • 1.66" OD and E-Coated for maximum protection.

Order # **DS-3000** (ea.) **\$31.95** (2-up) **\$27.95**


PERFECT 10™
TennaMount

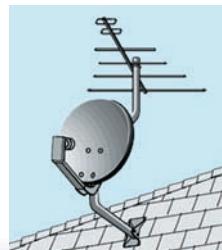
A strong stable mounting system that supports both DBS and VHF/UHF antennas in one convenient location. Installs quickly and easily to the side wall of a building, and adjusts easily to roof overhangs. All mounting hardware supplied.

Order # **33-2630** (ea.) **\$52.02**


EASY-UP Eve Mounts

Alternative to roof and chimney mounts. Fits most any medium pitch roof. Adjusts from 43° to 60°. Accepts up to 1 1/2" masts. Includes mounting hardware. Zinc finish.

Order # **30-1085** (ea.) **\$22.17**


PERFECT 10™ MiniMount

The low profile design attaches easily to the top of a roof mounted antenna pipe stand, providing a stable mounting point for any small VHF/UHF TV antenna.

Order # **33-2626** (ea.) **\$18.13**


✓MCR Ground Clamps

A properly grounded antenna or satellite system will not suffer from the effects of ground loops. These ground loops can be identified as beat and herringbone in the picture. Available in 3/8" and 5/8" for connecting to ground rods and two piece clamps for connecting to 1/2" to 1" water pipes.

Fig.	Order #	Diameter	(1-9)	(10-up)
A	33-6895	3/8"	\$1.79	\$1.25
B	33-6900	5/8"	2.09	1.64
C	33-6905	1/2"-1"	2.89	2.46


✓MCR
High Frequency
Ground Blocks

High frequency ground blocks have extended frequency capacity to 2.4GHz making them perfect for satellite and digital applications. Nickel plated finish to resist effects of the weather.

Order #	Description	(1-9)	(10-99)	(100-up)
33-7705	Single	\$0.59	-	-
33-7710	Dual	2.07	\$2.03	\$1.93


Grounding Block

• Zinc die-cast • Mounting screws included.

Order #	Description	(ea.)
33-470	Single	\$0.82
33-1800	Dual	2.69



Type THHN wire commonly used as ground wire. 10AWG stranded or solid copper with oil and gas resistant coating. Available in stranded and solid.

Order #	Description	(ea.)	(2-up)
24-5365	Stranded, 500' spool	\$129.94	-
24-5375	Solid, sold per foot	1.11	\$0.88


4' x 1/4" Universal Grounding Rod

The 4' universal grounding rod is ideal for completing your system installation. The copper coated steel construction prevents ground loop problems.

Order #	(1-9)
33-9700	\$5.49

SlimLine Coupler

This flat, flexible coupler allows you to run cables into a house or apartment without drilling holes in the window frame of the house. Simply put the cable through the window and close, the coupler will bend easily around the window pane.



Order #

33-7430

(ea.)

\$8.29

EASY-UP[®] Masts



16 gauge corrosion protected mast ideal for television and communication antennas. 5' section swaged at one end. 2 1/2" section ideal for use above rotator.

Order #

30-1080

Size

2 1/2"

(ea.)

\$6.99

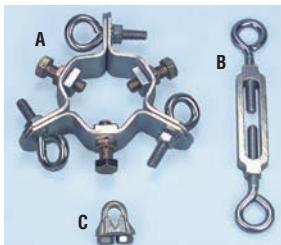
30-935

5'

11.95

EASY-UP[®] Antenna Mounting Hardware

Fig.	Order #	Description	Qty.	(pkg.)	
A	30-1030	Guy wire clamp up to 1 1/2" mast	1	\$3.58	
B	30-1035	Turnbuckle - 7" open, 5" closed	3	4.09	
C	30-1045	Cable clamps 1/2" open 1/8" closed	3	1.53	



EASY-UP[®] U-Bolts

Connects antennas or mast to bracket. Use with mast pipe up to 1 1/4". One per package.

Order #

30-1515

(pkg.)

\$1.99



Economical Indoor Matching Adaptor



•UHF/VHF/FM
75~300ohm adaptor
•"F" type input, twin lead output •Ten per bag, bulk packaged

Order # (1-3 bags) (4-9 bags) (10-24 bags) (25 bags-up)
33-1390 \$7.50 \$6.99 \$6.50 \$6.31



Antenna Signal Splitters

Order #	Input Ohms	VHF Ohms	UHF Ohms	FM	(1-9)	(10-49)
33-220	75	75	300	No	\$4.09	\$3.57
33-200	75	300	300	Yes	3.29	2.57

Push-On Balun

•Quick connect for "F" fittings with impedance matching transformer •Minimum five

Order # (5-9) (10-up)
33-010 \$0.84 \$0.63



EASY-UP[®] Pitch Pad Kit

•Pitch pad and lag bolt kit •Pads reduce risk of water leakage •Use when mounting antennas on roof •Contains six lag bolts

Order #

30-940

(kit)

\$3.06



COAX-SEAL

•A fast and easy way to waterproof coax fittings •Wraps around fittings and can be molded to any shape •Works with vinyl and poly vinyl outer covers •Stays flexible for years

Order # (1-9) (10-24) (25-49)
21-1140 \$3.79 \$3.39 \$3.19



SIMA



SIMA HDMI Pattern Generator

The ExtenHD™ X-GEN Pro is an HDMI signal generator that allows the user to select one of over 35 signals at various frequencies in order to generate a true HD signal for testing, confirmation and system set-up. **Features:** •RS-232 port for loading your favorite set-ups or integrating into a remote control system for off-site diagnosis •On/off HDCP signal generation for testing critical components •Generates patterns in 4:2:2, 4:4:4 YUV, and 4:4:4 RGB format •Audio insertion into HDMI stream with tone generator function •Backward compatible with DVI •Rack mountable •Includes IR remote control and Windows software application for advanced controls, such as auto programming for timing/pattern, EDID reading and EDID updating.

Order #	Mfr. #	(ea.)
33-10435	X-GEN Pro	\$899.00



SIMA HDMI to HDMI Signal Equalizer/Extender

The ExtenHD™ X-EQ equalizes the HDMI signal after 20 meters, injects an 8db gain to boost the HDMI signal path up to an additional 20 meters (40 meters overall) and corrects the digital error associated with extended HDMI cable runs ensuring a bright, clear, high definition picture on your display. Supports HDTV resolutions up to 1080p, and PC resolutions up to UXGA/165MHz. **Features:** •HDCP compliant •Can be powered directly from the cable, or from external power supply (included; recommended) •Backward compatible with DVI •Easy to install •RoHS compliant. **Specifications:** •Input: HDMI jack •Output: HDMI jack •Power supply: 110~220VAC input; 5VDC output •Dimensions: 2.83" (W) x 3.0" (D) x 1.18" (H) •Weight: ½ lb.

Order #	Mfr. #	(ea.)
33-10445	X-EQ	\$199.00



SIMA HDMI over Category 5 UTP

ExtenHD™ transmitters and receivers work together to allow HDMI digital signal path transmission over Cat 5 or Cat 6 UTP cable (two cables required) up to 250 meters. Used in pairs (sold separately), the transmitter and receiver allow you to switch between two HDMI source inputs. **Features:** •Compliant with HDMI 1.2, HDCP 1.1 and DVI 1.0 specifications •Supports resolutions up to 1080p at 50/60Hz. **Specifications:** •Input: One HDMI female port •Output: One Cat 5 (RJ-45) jack for video and one Cat 5 (RJ-45) jack for DDC •Power: 5VDC power supply adaptor (included) **Dimensions:** 123" (W) x 125" (D) x 30" (H).

Order #	Mfr. #	Description	(ea.)
33-10450	X-CAT TRAN	Transmitter	\$259.00
33-10451	X-CAT 50	Receiver (50m)	239.00
33-10452	X-CAT 250	Receiver (250m)	649.00



SIMA 4 x 1 HDMI Switch with Digital Audio

The ExtenHD™ X-SW41 allows up to four HDMI sources to share one HDTV display. It also has audio input/output connections to facilitate system designs that switch audio signals through an existing audio system, or a separate PA/distributed audio set-up. **Features:** •HDMI 1.2, HDCP 1.1 and DVI 1.0 compliant •Signal enhancement feature allows you to improve signal quality after long distance transmission •High resolution support up to UXGA (1600 x 1200) and HDTV 1080p ½ rack set-up (optional). **Specifications:** •Frequency bandwidth: 1.65Gbps (single link) •Inputs: 4 x HDMI female ports (Type A connector), 4 x SPDIF digital inputs, 4 x toslink digital inputs •Output: 1 x HDMI female port (single link), 1 x SPDIF digital output, 1 x Toslink digital output •RS-232-DB-9 •Power supply: 110~220VAC input, 5VDC output

Order #	Mfr. #	(ea.)
33-10455	X-SW41	\$299.00
33-10475	½ rack mount	79.00



SIMA HDMI to Component Video Converter

The ExtenHD™ X-CON is an HDMI to component (YCbCr/YPbPr) converter with audio output. It allows you to switch between two HDMI sources and convert it to component and analog audio (L/R) or digital audio output at the same time. It supports output resolutions equal to the source input up to 1080p.

Features: •Compliant with HDMI 1.2a, HDCP 1.1 and DVI 1.0 specifications •Supports a wide range of resolutions up to 1080p at 50/60Hz •Supports digital audio output (coaxial), or analog audio output (L/R line level) •½ rack set-up (#33-10475).

Specifications: •Input: 2 x HDMI female ports •Video output: Component YPbPr/YCbCr on three RCA jacks •Audio: Digital audio on coax, or analog audio on R/L •Power: 5VDC power supply (included).

Dimensions: 215 (W) x 112 (D) x 42 (H) mm. **Note:** •When input is HDCP Encrypted (protected) the component output will be turned off.

Order #	Mfr. #	(ea.)
33-10440	X-CON YUV	\$299.00
33-10475	X-RK	79.00



SIMA 2 x 1 HDMI Switcher

•Switch between any two HDMI inputs •Compatible with any HDMI source •Supports up to 1080p resolutions and is HDMI, HDCP and DVI compliant

Features: •Two HDMI Inputs, one HDMI output •Signal enhancement feature; improve signal quality of longer cable runs •LED power, enhancement and source indicator lights •Manual input selection with buttons on unit **Includes:** •HDMI switcher and AC adaptor

Order #	Mfr. #	(1-9)	(10-up)
80-6860	VS-H21	\$79.95	\$74.55



4 x 1 HDMI Switch

•Four HDMI inputs, one HDMI output •Signal enhancement feature, improve signal quality by simply touching a button •LED source indicator light •Slim size IR remote included

Specifications: •HDMI 1.3b, HDCP and DVI 1.0 compliant •Supported input resolutions: PC - VGA, SVGA, XGA, SXGA, UXGA, UXGA (1600x1200), HDTV - 480i, 576i, 480p, 576p, 720p, 1080i and 1080p •Frequency bandwidth: 1.65gbps (single link) •Inputs: Three HDMI type A female ports •Output: HDMI single link female port •Dimensions: 7.9" x 4.1" x .9" •Weight: 1.25 lbs. •5V universal power supply included •Mfr. #V5-HD41

Order #	(1-9)	(10-up)
33-10485	\$79.95	\$78.25



SIMA 1 x 8 Single-Source HDMI Distribution Amplifier

The ExtenHD™ X-DA18 is a high performance HDMI amplifier that not only extends one HDMI source input to up to eight HDMI HDTV displays, but can also be cascaded indefinitely. Each of the buffered outputs can run up to 15 meters at 1600 x 1200 with no signal loss. Housed in a 1U rack mountable case with removable rack ears, the X-DA18 provides fast handshaking for quick picture display, and is fully HDCP compliant.

Features: •HDCP key sets allow each output to work independently when connecting to a HDMI display •Supports high definition resolutions up to 1080p and UXGA at 165MHz •Supports multi-channel audio. **Specifications:** •Frequency bandwidth: 1.65Gbps (single link) •Inputs: 1 x HDMI jack •Output: 8 x HDMI jacks •Power supply: 110~220VAC input, 5VDC output •Mfr. #X-DA18

Order #	(ea.)
33-10465	\$539.00



SIMA 1 x 4 HDMI Distribution Amplifier

•One HDMI input, four HDMI outputs •Signal enhancement feature improve signal quality by simply touching a button •LED indicator light on each output •Slim design, less than 1" thick! •Slim size remote included

Specifications: •HDMI 1.1, HDCP 1.1, and DVI 1.0 compliant •Supported input resolutions: PC - VGA, SVGA, XGA, SXGA, UXGA (1600x1200), HDTV - 480i, 576i, 480p, 576p, 720p, 1080i and 1080p •Frequency bandwidth: 1.65gbps (single link) •Inputs: 1 x HDMI type A female port •Output: 4 x HDMI single link female port •Dimensions: 7.9" x 4.1" x .9" •Weight: 1.25 lbs. •5V universal power supply included

Order #	(1-9)
80-6840	\$442.00



SIMA 2 x 10 Multi-Source HDMI Distribution Amplifier

The ExtenHD™ X-210 is a high performance HDMI splitter with separate optical audio housed in a 1U rack mountable case with removable rack ears. The X-210 splits, amplifies and extends two HDMI source inputs (eg. digital cable box, DVD player) to up to ten HDMI HDTV displays (eg., HDTV, LCD projector). Each of the buffered outputs can run up to 20 meters at 1600 x 1200 with no signal loss.

Features: •HDCP keysets allow each output to work independently when connecting to a HDMI display •Supports high definition resolutions up to 1080p and UXGA at 165MHz •Fully HDCP compliant •Supports multi-channel audio •Separate Toslink audio output •RS-232 control and front panel lockout. **Specifications:** •Frequency bandwidth: 1.65Gbps (single link) •Inputs: 2 x HDMI jacks, 2 x optical audio input •Output: 10 x HDMI jacks, 2 x optical audio output •Power supply: 110~220VAC input, 5VDC output •Mfr. #X-210

Order #	(ea.)
33-10460	\$799.00

Are you ready for the 2009 DTV transition?

Beginning February 17th, 2009, all over-the-air television broadcasts will be transmitted exclusively in high-definition digital frequencies. Any analog (NTSC) televisions and tuners that pull their signal from an antenna will no longer be able to decode broadcasts on their own. Only digital tuners (ATSC) will be able to decode these free high-definition signals. Newer televisions and devices have a digital tuner already built-in, but older devices will require an external ATSC tuning device.

This changeover will free up communication frequencies that we need in times of emergency and for modern everyday living. New digital signals also provide a crystal-clear high-definition picture with 5.1 surround sound abilities.

The DTV change only affects over-the-air signals that are picked up by an antenna. If you get all of your television programming from satellite, cable, or other methods, this change will not affect you!

See www.dtv2009.gov for more details.

Digital TV/HDTV ATSC Off-Air Tuner

Ideal solution for receiving terrestrial, off-air (antenna) digital TV broadcasts from the constantly increasing number of off-air digital TV broadcasters (e.g., local stations, PBS, etc). **Features:** •ATSC receiver capable of outputting composite, or component (Y.Pb.Pr) video •Stereo audio output •Parental control/movie/TV rating (V-chip) •Fully functional infrared remote controller •Selectable SDTV/ HDTV output/input resolution (480i/480p/720p/1080i) •Standard definition NTSC 480i output •Aspect ratio control; 4:3 and 16:9 •Advanced Electronic Program Guide (EPG)

Order #	Description	(ea.)
33-10413	ATSC tuner	\$199.00



Front



A/V Switches

A/V Digital Analog Selector with IR Remote

Full-featured switcher connects up to three "like-kind" sources (HDMI to HDMI, VGA to VGA, etc.) to a single HDTV display. **Features:** •HDMI, VGA, RGB component video, and composite A/V connections •Delivers clean, uncompressed digital signals •Engineered for optimal signal transfer and minimal signal loss •Built-in HDMI output signal extender up to 100' (total length) •H.D.C.P. (High-Bandwidth Digital Content Protection) compliant •Supports high definition 1080p and UXGA •Compact, time-saving LED illuminated control center and easy selection with remote control or front panel push-button controls •Power: 6V,400mA AC/DC power adaptor (included) •Dimensions: 12 1/2" x 6" x 2 1/2".

Order #	(ea.)
33-10424	\$167.00



Back



PHILIPS

HDMI Three-Way Switcher

Get the most out of HDTV! •Connect three HDMI sources to a single input on a TV •Automatically switches to the selected source •Switch between sources without compromising the signal •Full 1080P transmission •HDCP compliant

Order #	(1-4)
SWV6813/17	\$99.95



SIMA Audio Video Switcher with Component Video

Provides the necessary A/V inputs for adding components to your TV and home theater system. Has five audio/video inputs including component video, S-video and digital audio plus dual outputs to feed your TV and either a receiver or VCR for recording. The VS-502 will help make the transition to HDTV easy! **Features:**

- Easy video conversion: Switch between three different video types including up-converting composite to S-video and composite and S-video to component video.
- Auto input sensing: Detects the current unit in use and automatically connects to that input, without having to push any buttons!
- Automatic volume stabilization: Volume compression setting pulls loud and soft sounds toward a mid-point in the dynamic range.
- Two independent output channels: Two outputs let you select one source for viewing (like the DVD) to watch on your TV and a second source for recording (like the DSS) to feed to your VCR for recording at the same time.

Order #	Mr. #	(1-9)	(10-up)
80-6690	VS-502	\$195.00	\$190.00



NEW



HDMI 1.3 Input Switch

Easily switch between multiple HDMI sources while running a single HDMI cable to your high-definition display. Extends the range of HDMI compliant device by equalizing and re-clocking the HDMI signal. Included discrete IR remote control allows user to switch sources from across the room. Auto sensing inputs allow switching between only active HDMI sources. **Specifications:** •Output video: HDMI 1.3b + HDCP 1.0/1.1 •Video formats supported: Up to VGA 920 x 1200 and HD 1080p •Video amplifier bandwidth: 2.5Gbps/250MHz •External power supply (included): 2A, 5VDC for 110V

Order #	Description	MSRP	(1-4)	(5-9)	(10-24)	(25-up)
33-10532	2 x 1	\$59.95	\$39.95	\$38.75	\$36.75	\$34.36
33-10533	3 x 1	79.95	49.95	48.45	45.95	42.96
33-10535	5 x 1	109.00	69.95	67.85	64.35	60.16



NEW

HDMI 4 x 2 Matrix Switch

Easily switch between four HDMI sources to two high-definition displays. Extends the range of HDMI compliant devices by equalizing and re-clocking the HDMI signal. Included discrete IR remote control allows user to switch sources from across the room. **Specifications:** •Input/output: HDMI v1.3, HDCP 1.0/1.1 •Video formats supported: Up to computer 1600 x 1200 and HD 1080p •Video amplifier bandwidth: 1.65Gbps •Power consumption: 20W (max) •External power supply (included): 5VDC for 110V •Dimensions: 4 1/2" (L) x 1 1/8" (H, with feet) x 10 1/2" (W)

Order #	MSRP	(1-4)	(5-9)	(10-24)	(25-up)
33-10525	\$399.00	\$199.00	\$193.03	\$183.08	\$171.14



PHILIPS

High Definition Automatic Switcher

- Hook up multiple video game systems, DVDs, VCRs, and any other A/V device to any TV that lacks the required number of AV inputs
- Four inputs allow you to automatically switch between desired components
- Features four audio/video, S-video, and component inputs; composite, S-video and component out
- Component inputs provide ultimate picture performance and are found on most quality TVs/HDTVs and DVDs
- Easy to hook-up and prevents cable swapping issues that could result in the jacks on the TV needing to be replaced.

Order #	(1-4)
PH61150	\$29.95



Audio/Video Matrix Switcher

Video matrixes allow you to send audio/video signals from any of the eight inputs to any of the eight outputs with the touch of a button. The matrix can split the audio and video sources allowing you to add music to a video dub. Control the operation from a PC via the RS-232C port. Genlock inputs provide steady video signals for optimum picture quality. **Specifications:** **Video:** Composite input/output, 1V p-p, 75ohm. S/N ratio: -60dB. Crosstalk: -60dB. Connectors: BNC (use #27-405 with RCA type video cables). **Audio:** Input/output: High impedance, unbalanced. THD: <0.1%. Frequency response: 20Hz-20KHz, +/- 3dB. S/N ratio: >90dB. Crosstalk: -90dB. Power: 120VAC, 60Hz.

Order #

33-7760

(ea.)

\$456.00

MCM
Remote Control Audio/Video Selector

With the most common audio and video inputs; S-video, composite video, toslink digital audio and line level audio, you can connect your DVD, satellite receiver, VCR or game system to your home entertainment system. The switcher has three audio/video inputs and one audio/video output and an ultra thin remote control.

Order #

33-7755

(ea.)

\$59.95

SIMA
Audio/Video
Switcher

Add additional components to your TV and home theater system by providing additional A/V inputs to your system. Four A/V inputs including composite video and Y/C (S-video). Mfr. #SVS-14.

Order #

80-3450

(ea.)

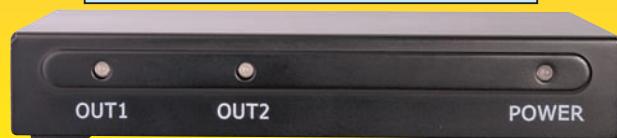
\$31.95



home theater system by providing additional A/V inputs to your system. Four A/V inputs including composite video and Y/C (S-video). Mfr. #SVS-14.

Order # (1-5) (2-4) (5-up)

50-7755 \$19.95 \$58.50 \$57.17



Single Source HDMI Distribution Amplifiers

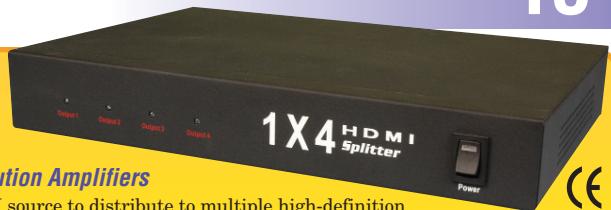
Splits, amplifies and extends a single HDMI source input (eg., digital cable box, DVD player) to two or four HDMI HDTV displays (eg., HDTV, LCD projector), simultaneously. Ideal for home theater, conferences, conventions, restaurants, school and corporate training presentations. Use as an extender by placing at the end of a long HDMI cable to regenerate the HDMI signal. **Features:** • Supports high definition resolutions up to 1080p and UXGA • H.D.C.P. (High-Bandwidth Digital Content Protection) compliant • HDMI v1.2 compliant • Total transmitting range: 100' (1080p); total length. **Specifications:** • Video amplifier bandwidth: 1.65Gbps • Single link range: 1080p (1920 x 1200) • Vertical frequency range: 60Hz • Power consumption: 10W, max • Input DDC signal: 5V p-p • HDMI output: 5VDC, 500mA.

Order #	Description	Dimensions (LxWxH)	(ea.)
33-10420	1-in x 2-out	4.72" x 2.62" x .79"	\$156.00
33-10421	1-in x 4-out	8.5" x 4.5" x 1.0"	209.00

Component Video Distribution Amplifier

Allows a single component video input to be distributed to four HDTV displays, or each individual RCA output can be used to distribute composite video to up to ten composite video displays (VCRs, analog TVs, etc; ten composite video splitter) **Features:** • High bandwidth performance (240MHz) • Resolution support up to 1080i • (Y/Pb/Pr, or RGB) RCA connectors **Power:** • 15VDC; 300mA power adaptor included

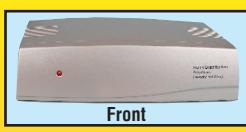
NEW



HDMI Distribution Amplifiers

Split one HDMI source to distribute to multiple high-definition displays. Ideal for retail displays, entertainment venues, and multiple residential displays. Extends the range of HDMI compliant device by equalizing and boosting the HDMI signal up to an additional 50'. **Specifications:** • Input/output: HDMI v1.2a+, HDCP 1.0/1.1 • Video formats supported: VGA 1920 x 1200 and 1080p • Operating frequency: Up to 165MHz • External power supply (included): 5VDC for 110V

		Dimensions	Order #	Description	(L x W x H) with feet	MSRP	(1-4)	(5-9)	(10-24)	(25-up)
33-10540	1 x 2	3.4" x 1.73" x .66"	\$179.00	\$99.95	\$96.95	\$91.95	\$85.10			
33-10542	1 x 4	10.625" x 7.18" x 1.83"	249.00	\$149.00	\$144.53	\$137.08	\$128.21			
33-10545	1 x 8	17.323" x 7.893" x 1.748"	399.00	\$249.00	\$241.53	\$232.20	\$219.14			



Order #	(ea.)
33-10510	\$59.95



CHANNELPLUS

All-In-Two Multi-Room RF Distribution Kit

The All-In-Two Multi-Room RF distribution kit includes all of the components needed to distribute broadband RF, 4 locally generated signals and IR remote control to up to eight rooms in a house. **The kits include:** 4-channel RF modulator (5545), 3-input/8-output RF distribution panel (DA-550HHR or DA-550BID), three rooms of IR interface, expandable to eight rooms (three 2100A and five 2501) and IR control of four video devices (two 2172). **Limited quantities**

Order #	Description	(kit)
5555BID	Bi-directional amplifier	\$502.12
5555HHR	High head-room amplifier	502.12

MCM CUSTOM AUDIO

A/V Distribution Amplifier/Selector

Tabletop distribution amplifier allows selection between two A/V inputs and provides up to four outputs. Independent left and right audio signal paths allow compatibility with stereo sources including CD/DVD players, VCRs, video games and satellite receivers. Front panel pushbutton selects between two input sources, and internal amplifier maintains signal quality when distributed to four outputs. Gain at each output is 2dB over input signal level. Rugged metal enclosure measures 1 1/8" (H) x 7" (W) x 2 1/8" (D), including non-skid rubber feet. Color-coded input/output connections are RCA type female. Requires 12VDC, AC adaptor included.

Order #	MSRP	(1-3)	(4-up)
30-1376	\$49.95	\$29.95	\$26.95



Audio/Video Distribution Amplifiers

• Perfect for in-store display demonstration walls or karaoke display • One input distributes four or six amplified outputs • Video and stereo sound input via RCA jacks • Four or six outputs, video and stereo sound via RCA jacks • Frequency range: • 20Hz~10KHz • Isolation: 30dB minimum • Video input: 75ohm • Audio input: 20Kohm • Operates from 15V/300mA adaptor • Adaptor included

Order #	Description	(ea.)
32-4430	Four-way	\$31.95
32-4435	Six-way	42.95



#DA-550BID



#DA-550HHR

CHANNELPLUS

High Headroom Distribution Amplifier

The DA-550s can handle an extremely wide range of input signals from both NTSC and digital HDTV. With outputs to eight televisions, coax runs up to 150', three inputs, one from a CATV or antenna and two from modulators, the DA-550 is the heart of a multi-room distribution system. The DA-550BID offers a 5-42MHz return path for bi-directional communication for use with cable modems and pay-per-view applications. The DA-550HHR is used with high performance antenna applications for off air digital and NTSC signals. **Additional features:** IR engine, remote power and expandable outputs.

Order #	(ea.)
DA-550BID	\$167.00
DA-550HHR	167.00



eLabs High Performance Distribution Amps

These high performance distribution amplifiers feature specifications such as a true one-to-one ratio, no signal loss, low noise, low distortion and unity gain.

Order #	Mfr. #	Outputs	(ea.)
33-6875	AV400	Four	\$69.95
33-6880	AV700	Seven	99.95

eLabs Component Video Distribution Amplifier

Four-way audio/component-video distribution amplifier for Y, Cb, Cr and Y, Pr, Pb applications. Features high performance, low distortion and true one-to-one signal ratio. These professional grade amplifiers are cascadable for use in large displays and are enclosed in metal housings to reduce interference. Mfr. #AV400COMP.

Order #	(ea.)
33-7050	\$119.00

eLabs Component Audio/Video HDTV Distribution Amplifier

Distribute digital/HDTV and analog television signals from a single A/V source to nine televisions/receivers, or use one of the output ports to cascade additional distribution amplifiers. **Features:** •Component video (Y, Pr, Pb) and audio distribution •Compatible with all HDTV, digital and analog signals •High performance, low distortion, one-to-one signal ratio ensures equal picture quality •Unlimited cascade capability •Mfr. #AV901COMP

Order #	(ea.)
33-10080	\$169.00

eLabs Component Audio/Video HDTV Distribution Amplifier with Digital Audio

Distribute digital and analog television signals, from a single A/V source to nine televisions/receivers, or use one port as a loop-thru output port to cascade additional distribution amplifiers. **Features:** •Component video (Y, Pr, Pb, or Y, Cr, Cb), composite video, analog audio and SPDIF digital audio distribution •High bandwidth (>50MHz) performance, low distortion, and one-to-one signal ratio ensures equal picture quality. Power: 9~10VAC, 500mA adaptor included. Mfr. #AV901HD.

Order #	(ea.)
33-10090	\$249.00

Stellar Labs™ Video Ground Loop Isolator

Ground loops in composite video systems can cause video distortions such as herringbone and AC beat. Uniquely designed to eliminate ground loop related distortions, this transformer features RCA female-to-female connectors with a separate 9' RCA male-to-male pigtail cable that facilitates multiple installation configurations and helps reduce cable connector strain. **Specifications:** •Insertion loss: <0.5db •Frequency response: 0-3db @ 10MHz •Input/output resistance: 75ohm •Built-in 600VDC transient voltage surge suppression (12V RMS) •No power required (passive).

Order #	MSRP	(1-3)
33-6927	\$59.95	\$31.95

Ground Isolation Transformer

5MHz~2.4GHz bandwidth for use in antenna, cable television and satellite systems. Reduces the effects of ground loops such as herringbone, beat and audio hum.

Order #	(1-9)	(10-up)
33-8700	\$19.95	\$16.95

MCM Composite Video to S-Video Adaptor

This high quality adaptor converts composite video to S-video and S-video to composite video. The adaptor measures only $1\frac{3}{4}$ " long and $\frac{1}{2}$ " in diameter allowing it to plug directly into the equipment and solves the problems associated with mixing composite and S-video inputs and outputs.

Order #	Description	(ea.)	(2-up)
33-0001	S male to RCA female	\$7.89	\$7.59
33-0002	S female to RCA female	6.39	6.19
33-0003	S female to RCA male	6.39	6.19



1-800-543-4330

Fax 1-800-765-6960



eLabs HDTV Audio/Video Distribution Hub and Receiver

Distribute high definition component video and digital or left or right audio over extended distances using Cat 5e wire. Video and audio loop output to accommodate future expansion to additional Cat 5e transmitters and receivers. Supports 1080i video up to 300' with Cat 6. **Transmitter features:** •Active amplification ensures high-quality •Discrete passive IR channel for external remote controls •Two RJ-45 outputs for additional location. **Receiver features:** •Cable length equalizer for long distances •Video continuity LEDs to ensure all signals are transmitting •IR output

Order #	Mfr. #	Description	(ea.)
33-10255	CatTX	Transmitter	\$119.00
33-10256	CatRX	Receiver	135.00



eLabs Component Audio/Video HDTV Distribution Amplifier with Digital Audio

Allows for multiple signal distribution equal to source signal input. Distribute digital/HDTV and analog television signals, including digital audio and composite video from a single A/V source to five televisions/receivers, or use one loop-thru output port to cascade additional distribution amplifiers.

Features: •Component video (Y, Pr, Pb, or Y, Cr, Cb), composite video and SPDIF digital audio distribution •Compatible with all HDTV, digital and analog signals •High bandwidth (>50MHz) performance, low distortion, and one-to-one signal ratio ensures equal picture quality **Power:** •9~10VAC, 500mA adaptor included •Mfr. #AV501HDX

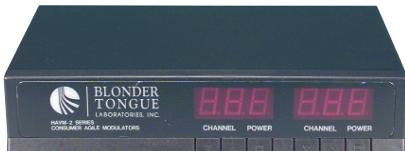
Order #	(ea.)
33-10087	\$179.00



eLabs S-Video Distribution Amplifier

Allows for multiple signal distribution equal to the source signal input. Four way audio/video distribution amplifier with S-video inputs and outputs. Features high performance, low distortion and true one-to-one signal ratio. These professional grade amplifiers are cascadable for use in large displays and are enclosed in metal housings to reduce interference. Mfr. #AV400SV.

Order #	(ea.)
33-7045	\$99.00



BLONDER TONGUE Agile Modulators

The consumer agile modulators are unique RF, UHF and VHF hyperband modulators. Their design allows the user to insert video from a VCR, laser disc or any baseband video signal into their home RF system. The #33-2025 and 33-2035 work on UHF. The #33-2020 and 33-2030 work on VHF hyperband or with CATV systems. The single and dual channel units add flexibility to your system. Perfect for whole house TV systems and CCTV systems.

Order #	Description	(ea.)
33-2020	VHF hyperband single output	\$159.00
33-2025	UHF single output	159.00
33-2030	VHF hyperband dual output	219.00
33-2035	UHF dual output	219.00

PHILIPS RF Modulator

•Hook any DVD player, VCR, video game, satellite, or other composite source to a television with a coax connection •RF and composite in •RF coax out on channel 3 or 4 •Automatically switches when composite source is switched on

Order #	(1-9)	(10-49)	(50-99)	(100-up)
PH61159	\$12.95	\$12.69	\$12.43	\$11.98

TERK MINI RF Modulator

The Terk MINI modulator is a compact, inexpensive modulator that will convert any video source to VHF for viewing on your TV on either channel 3 or 4. Its low signal loss enables it to deliver excellent picture and sound quality. The MINI reduces the clutter around your TV by easily mounting on your wall or entertainment center. The MINI was designed to be in-line, so that it can hang or be mounted on a vertical surface and out-of-sight. After first installation, there is no need to access the MINI again. It features automatic signal detection and automatically switches between A/V sources when a signal is detected.

Order #	Mfr. #	(ea.)
33-9645	MINI	\$17.95



RF Modulator w/Antenna Switch

Accepts video and audio from a camera, VCR or any other video device and modulates to television channel 3 or 4. Built-in selector switch to choose between A/V source and antenna or cable TV.

Order #	(ea.)
82-8100	\$25.45



Digital RF Modulator

Accepts video and audio from a camera, VCR, or any other video device. Digital channel selection for UHF channels 14~69 or CATV channels 66~134. Antenna/CATV input and built-in combiner.

- Frequency range: 471.25MHz ~ 855.25MHz
- Antenna input frequency: 50MHz~900MHz
- Automatic gain control

Order #	(ea.)
82-8105	\$84.95

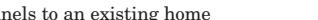
Tru-Spec: Digital UHF Modulator

The USM-8D is a low cost, frequency stable, UHF modulator developed for use in adding satellite, VCR, or security video channels to an existing home distribution system. The frequency adjustable feature allows multiple channel use at an extremely low cost. **Specifications:** •Frequency range: UHF channels 14~69 and CATV channels 65~139 •Video input: Composite •Output impedance: 75ohm •Output level: 7dBmV •Power input: 115VAC, 60Hz, 5W •Connectors: "F" for RF, RCA video and audio •Mfr. #USM-8D

Order #	(1-9)	(10-up)
33-2740	\$48.95	\$45.95



Order #	(1-9)	(10-up)
33-2740	\$48.95	\$45.95



eLabs Digitally Tuned Modulators

The Theater 1001F is a digitally tuned modulator that distributes high quality audio/video signal to multi-room locations. The digital phase lock loop (PLL) tuning eliminates channel drift. 120 selectable channels: UHF channels 14~69; cable channels 60~94, 100~125. Binary Code Decimal (BCD) channel selector for easy tuning. Isolated right and left mono inputs improve audio performance. **Features:** Switch type channel select and full channel memory for power outages.

Order #	Mfr. #	Channels	(ea.)
33-7255	1001F	Single	\$59.99



Channel Combiners

•Combines channel 3/4 signal (from VCR, computer, game, etc.) with existing VHF signals not including channel 3/4 •Also removes bleedover of channel 3/4 modulated signal from adjacent channels 2 and 4

Order #	Combiner	(1-9)	(10-up)
33-255	3	\$14.95	\$13.89
33-1080	4	14.95	13.89



CHANNELPLUS Digital RF Modulators

The 5515, 5525-01 and 5545-01 are one, two and four channel input modulators with loop-out capabilities and integrated IR control. Each offers IR emitter output jacks and the ability to remotely power a DA-550 series or an DA-8200 series distribution panel from up to 75' away. The 5500 series works with both the 12 volt and 5 volt IR systems and accessories. The 5515, 5525-01 and 5545-01 offer 75ohm termination jumpers on all channels to loop-through the video and audio signals. **Features include:** 1, 2 and 4 channels, push button programming, UHF 14~64 and CATV 65~125, 25dBmV output.

Order #	Outputs	(ea.)
5515	1	\$72.00
5525-01	2	124.00
5545-01	4	197.00



RCA RF Modulator and Video Switcher

•Lets you connect components with S-video or composite output (DVD, satellite) to a TV without A/V jacks, by modulating the signal to RF •Ideal for hooking up several components to a TV •Combines RF modulator and S-video switcher into one unit •Converts any input (S-video, composite, A/V, stereo) to RF output •A/V and S-video switching •Composite to S-video convertor •Front input, stereo input •Gold plated connectors

Order #	(ea.)
CRF940	\$25.95

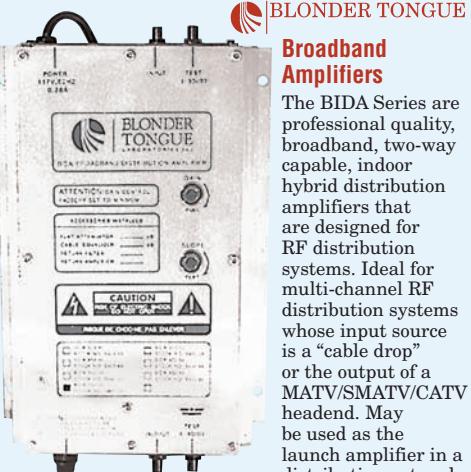


Stellar Labs SLV A/V RF Modulator

The mini RF modulator is a compact, inexpensive modulator that will convert any composite video source to VHF for viewing on your TV on either channel 3 or 4. Its low signal loss enables it to deliver excellent picture and sound quality. This modulator allows you to connect additional A/V components, such as a DVD player or a gaming system, to your TV when there are no available RCA jacks. **Inputs:** Three RCA (composite video and stereo audio), one "F".

Order #	MSRP	(1-5)	(6-up)
33-9775	\$19.99	\$12.95	\$12.69





These amplifiers use dual push-pull hybrid modules, capable of delivering high output levels with low distortion, even in systems with over 100 channels of programming. Power doubling models can be cascaded together with lower distortion resulting than the push-pull amplifiers allowing the system to maintain higher signal integrity. The gain and slope controls are designed between the hybrid modules for optimum noise figure, input return loss and output capability. Test ports for both the input and output are provided for testing signal levels without interrupting service. The BIDA Series come in a rugged, aluminum chassis that provides exceptional heat dissipation.

Order #	Bandwidth MHz	Gain dB	Description	(ea.)
33-7815	49-550	50	Push-pull	\$576.00
33-7820	49-750	32	Push-pull	607.00
33-7850	49-860	44	Push-pull	699.00
33-7855	49-860	44	Power doubling	771.00



BLONDER TONGUE Multiple Dwelling Amplifier

This professional quality, broadband, indoor hybrid distribution amplifier is designed for RF distribution systems. Ideal for those RF distribution systems whose input source is a cable drop, the output of a MATV/SMATV headend, or the output of a small CATV headend. The ACA 30-550 amplifier has a flat 30dB of operational gain, which is variable using a built-in gain control. Variable slope control is also provided, with an available range of 9dB. This amplifier uses a push-pull technology, capable of delivering high output levels with low distortion, even in systems with 110 channels of programming. It is housed in a compact, aluminum chassis that provides excellent heat dissipation. The ACA 30-550 is provided with an external power transformer. The unit can also be powered directly with 24VAC. **Specifications:** RF: •Frequency range: 47-550MHz •Gain: 32dB •Noise figure(a): 8.0dB •Output level: +44dBmV •Gain control range: 15dB •Slope control range: 10dB •Impedance all ports: 75ohm •Mfr. #ACA 30-550

Order #	(ea.)
33-2875	\$276.00



BLONDER TONGUE Broadband Distribution Amplifiers

The ZCM Series includes professional quality, broadband distribution amplifiers, designed for special purpose applications in the MATV, SMATV, private and wireless cable markets. These amplifiers cover the 50-550MHz frequency range and provide low noise amplification at a reasonable cost. Two models are available with either 10 or 20dB of gain, each capable of accepting a relatively high input level. **Specifications:** ZCM-101 RF: •Frequency range: 50-550MHz •Gain: 10dB •Noise figure: 3.5dB •Impedance-all ports: 75ohm **General power requirements:** •Voltage: 117VAC, ±10% •Frequency: 60Hz •Power: 1.2W •Connectors (top panel): •RF input: Type "F", female RF output: Type "F", female **ZCM-201 RF:** •Frequency range: 50-550MHz •Gain: 20dB •Noise figure: 3.5dB •Impedance all ports: 75ohm **General power requirements:** •Voltage: 117VAC, ±10% •Frequency: 60Hz •Power: 1.4W •Controls (top panel): Tilt: Var. Control •Connectors (top panel): RF Input: Type "F", female •RF output: type "F", female

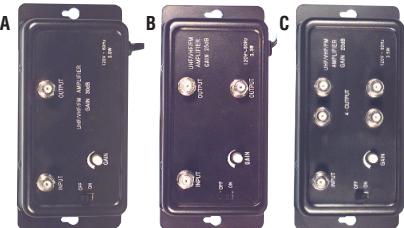
Order #	Mfr. #	(1-9)	(10-up)
33-2840	ZCM-101	\$14.95	\$14.68
33-2845	ZCM-201	23.95	22.95



BLONDER TONGUE 15dB RF Amplifier

Specifications: RF: •Frequency range: 54-220MHz, 470-900MHz •Input level min: -7.0dB •Input level max: +18dB •Gain: 16dB (50-22), 12dB (470-800), 10dB (800-900) •Noise figure: 3.0dB (VHF), 4.0dB (UHF) •Output level max: +44dBmV •Impedance all ports: 75ohm **General:** •Power requirements: •Voltage: 117VAC, ±10% •Frequency: 60Hz •Power: 4.2W •Mfr. #ZTA-15

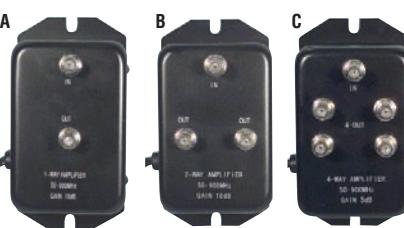
Order #	(1-9)	(10-up)
33-2850	\$16.95	\$16.43



RF Amplifiers

Low noise VHF/UHF/FM signal amplifiers. Variable gain control -10dB. Built-in FM trap (-20dB). **Specifications:** Frequency range: 40-862MHz. Noise figure: <7dB. Power: 120VAC.

Fig.	Order #	Outputs	Gain	(1-9)	(10-up)
A	33-8715	1	30dB	\$17.50	\$16.49
B	33-8720	2	25dB	14.69	14.19
C	33-8725	4	20dB	17.95	16.95



RF Amplifiers

VHF/UHF/FM signal amplifiers for residential cable and antenna television. 40-862MHz bandwidth. <6dB noise figure. Operates on 120VAC.

Fig.	Order #	Outputs	Gain	(1-9)	(10-up)
A	33-8730	1	10dB	\$11.95	\$9.76
B	33-8735	2	10dB	14.99	12.42
C	33-8740	4	5dB	13.49	12.59

Tru-Spec® Push-Pull Amplifiers

The CA-30 is a high quality push-pull amplifier producing signals with extremely low distortion and harmonic content. The CA-30 enclosure uses a black anodized aluminum extrusion to assure reliable heat sinking and corrosion resistance.

Features: •Wide frequency range: 54MHz-550MHz, 30dB gain, adjustable slope control, adjustable gain control, input and output test points, designed for CATV apartment distribution systems **Specifications:** •Bandwidth: 54-550MHz •Gain: 30dB •Gain adjust range: 0-8dB •Power requirements: 115VAC, 60Hz, 4W •Slope: 0-8dB variable •Noise figure: CA-30, 5.0dB

Order #	(1-9)	(10-up)
33-2670	\$156.00	\$151.00



Order #	(1-9)	(10-up)
33-0890	\$105.00	\$102.00

**DA-520A**

The DA-520A is a bi-directional amplifier providing 20dB of forward gain and 0dB reverse gain. **Specifications:** Bandwidth: 54~806MHz. Gain: 20dB +/- 1dB.

Order #	(ea.)	\$67.99
DA-520A		

**Distribution Panel**

Creates an ideal entry level product for broadband distribution. Has one input for CATV or off-air antenna and six outputs. Four outputs are for up to 75' and two are for 150'. Has bi-directional capabilities allowing for compatibility with cable modem and interactive set-top boxes. **Specifications:** Bandwidth 54~806MHz. Gain: 20dB +/- 1dB.

Order #	(ea.)	\$71.95
DA-506BID		

**RF Distribution Amplifier**

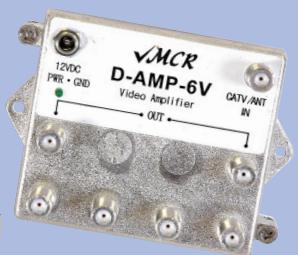
For systems with up to eight TV outlets and cable lengths up to 150'. The DA-8200 series provides outputs to eight televisions, three inputs from an off-air antenna or CATV and two modulator locations. May be remotely powered from up to 75' away by using a remote wall plate model 2010 or any 5500 series or SVM series modulator.

Order #	Description	(ea.)
DA-8200BID	Bi-directional amplifier	\$167.00
DA-8200HHR	High head-room amplifier	167.00

**✓MCR Broadband Structured Wire RF Amplifiers**

Compatible with the market leader of structured wiring panels, these 5~1000MHz, DOCSIS® compliant amplifier modules are the ideal drop-in replacement for CATV in-home signal distribution. Improve your multimedia application with the latest broadband technology for HDTV QAM signals. Features include a durable, salt-spray-resistant housing, weather-sealed "F" ports, and exceptional surge performance.

Order #	Description	Gain	(ea.)
33-10225	6 output	+6.5dB gain	\$84.95
33-10226	8 output	+10.0dB gain	94.95

**✓MCR 10dB Micro Amplifier**

10dB micro amplifier with 45~1000MHz bandwidth. Soldered back ensures 130dB RFI shielding. Heavy-duty tin plated zinc housing. **Specifications:** Noise figure: 7dB. Power: 12VDC, 100mA. via included adaptor (using "F" cable).

Order #	(1-9)	(10-up)
33-7125	\$19.95	\$14.99

**✓MCR Bi-Directional CATV Amplifiers**

Digital amplifiers with return path for use with CATV convertors (pay per view) and cable modems. Soldered back ensures isolation and signal integrity. **Specifications:** Bandwidth: 54~1000MHz. Noise figure: 3.5dB. Power: 12VDC, 250mA via included adaptor (using "F" cable).

Order #	Forward Gain	Reverse Gain	(1-9)	(10-up)
33-7110	15dB	0dB (Flat)	\$47.95	\$43.95
33-7111	15dB	10dB	47.95	42.95
33-7115	15dB	15dB	63.95	58.95
33-7116	20dB	15dB	59.95	54.95

**UHF/VHF/FM 25dB Amplifier**

Features: •Low noise •Lightning protection •AC power indicator •Switchable FM trap •Low cost **Specifications:** •Bandwidth: 54~900MHz •Gain: VHF, 25dB; UHF, 22dB •Maximum input: VHF, 18dB; UHF, 16dB •Maximum output: 40dB (54~800MHz) •Noise figure: VHF, 5dB; UHF, 7dB •75ohm input/output •Power requirements: 115VAC; 60Hz •Dimensions: 5% (W) x 1% (H) x 3" (D)

Order #	(1-9)	(10-up)
33-0450	\$29.99	\$28.32

**UHF/VHF/FM 25dB**

Features: •Low noise •High overload capacity •Lightning protection at RF input •Heavy gauge metal case •On-off indicator light •Switchable FM trap **Specifications:** •Bandwidth (MHz): VHF 54~300; UHF 470~890 •Gain: VHF, 25dB; UHF, 23dB •Maximum input (dBmV): •VHF, 15; UHF, 17 •Maximum output (dBmV): VHF, 40; UHF, 40 •Noise figure (dB): VHF, low 5.4, high, 6.2; UHF, 14 •Power requirements: 117VAC •Dimensions: 6% (W) x 1% (H) x 3% (D)

Order #	(1-9)	(10-up)
33-290	\$26.95	\$25.95

**VHF/FM 20dB Amplifier**

•50~450MHz bandwidth •20dB gain •40dB output capability •117VAC power requirement •Dimensions: 3% (W) x 2% (H) x 1% (D)

Order #	(1-9)	(10-up)
33-270	\$20.95	\$20.07

**Four-Way Amplified Coupler**

•50MHz~550MHz bandwidth •1~3dB gain •117VAC power required •One input, four outputs •Dimensions: 3% (W) x 2% (H) x 1% (D)

Order #	(1-9)	(10-up)
33-1475	\$13.19	\$12.49

**Two-Way Amplified Coupler**

•50MHz~550MHz bandwidth •4~6dB gain •117VAC power required •One input, two outputs •Dimensions: 3% (W) x 2% (H) x 1% (D)

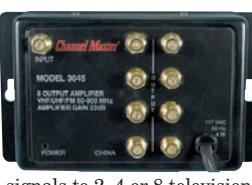
Order #	(1-9)	(10-up)
33-1460	\$14.69	\$13.09

**Holland 50MHz~1GHz Electronics LLC Broadband Amplifier**

The HDA-1000 is a low noise linear distribution amplifier providing high power outputs at extremely low distortion. The wide bandwidth allows the user a single amplifier for all distribution frequency applications; VHF, mid band, super band, hyper band, ultra band and UHF. **Features:** •Wide forward frequency range: 50MHz~1GHz, low noise figure, 30dB gain to 1GHz, surface mount strip line design, designed for all broadband systems, built-in slope (44dB typical, 55MHz~1GHz) **Specifications:**

•Bandwidth: 50MHz~1GHz •Forward gain: 50MHz~600MHz, 31dB, ± 2dB, 600MHz~1GHz, 32dB, ± 3dB •Power requirements: 115VAC, 60Hz

Order #	(1-9)	(10-up)
33-2675	\$156.00	\$151.00

**Channel Master®****Multi-Set Indoor Distribution Amplifiers**

Models #3043 and 3044 allows distribution of amplified signals to 2, 4 or 8 television sets or other video equipment without the use of additional splitters.

Order #	Mfr. #	Description	Gain	(ea.)
33-8975	3043	2 output	22dB	\$32.95
33-8980	3044	4 output	22dB	34.95

**Broadband Distribution Amps**

Suitable for medium sized distribution networks including homes and small condominium complexes. High gain low noise amplifier with built-in FM trap. **Specifications:** Frequency range 40~1000MHz. FM trap -20dB. Power: 120VAC.

Order #	Outputs	Gain	Gain Adjust	(1-9)	(10-up)
33-8745	1	36dB	18dB	\$31.95	\$28.95
33-8755	2	15dB	10dB	27.95	26.95
33-8760	4	11dB	-	29.95	28.68



NET 30 Terms

MuxLab



MuxLab S-Video Baluns

The VideoEase S-Video Balun allows a single S-video signal to be transmitted via unshielded twisted pair (UTP) cable up to 1000' (305m) in a point-to-point connection. The product is available in two models; the S-Video Balun (500016) and the S-Video/Audio Balun (500017). Used in pairs, the S-Video Balun eliminates costly and bulky S-video cable, allowing S-video equipment to be connected or moved to any convenient modular outlet. The S-Video Balun also works in conjunction with MuxLab's Audio-Video Distribution Hub (500200) to allow S-video programming to be distributed via UTP. Some of the applications are; classroom video distribution, commercial and home audio/video systems, hospital video training, video conferencing, and video kiosks. **Note:** Baluns must be used in pairs and are sold individually. •**Sold individually**

Order #	Mfr. #	Description	(ea.)
33-9585	500016	S-Video	\$37.95
33-9590	500017	S-Video and Audio	84.95



MuxLab VideoEase™ Composite Video/Stereo Balun

The VideoEase™ stereo/video balun allows a single composite video signal and stereo audio signal to be transmitted via UTP cable up to 2,200' in a point-to-point connection. **Features:** •Full audio bandwidth response for high fidelity applications •20Hz~20KHz audio bandwidth •Built-in color-coded cable leads for ease of installation. **Used in pairs, sold individually.**

Order #	Mfr. #	(ea.)
33-9626	500039	\$72.95

MuxLab Dual Audio/Video Balun

The VideoEase Dual Audio/Video Balun allows up to two composite video signals and up to two unbalanced audio signals to be transmitted via unshielded twisted pair (UTP) cable in a point-to-point connection. The Dual Audio/Video Balun eliminates up to four coaxial cables, allowing audio/video equipment to be connected via space-efficient and cost-effective Cat 5 twisted pair cable. The Dual Audio/Video Balun also works in conjunction with MuxLab's Audio/Video Distribution Hub (500200) allowing audio/video programming to be distributed via UTP to up to eight locations. **Features:** Up to 2200' (670m) in color via Cat 5 UTP. Pair required for use, **sold individually.**

Order #	Mfr. #	(ea.)
33-9610	500012	\$87.95



MuxLab VideoEase™ HDTV Component Video/Digital Audio Balun
The component video/audio balun allows one component video (YPbPr or RGB) signal and one audio signal to be transmitted via cost-effective unshielded twisted pair (UTP) cable in a point-to-point configuration. Used in pairs, the component digital balun supports 480i/p, 720p and 1080i/p video formats for hi-definition (HDTV) video applications. **Features:** •Supports 480i/p up to 1000' (305m) and 720p/1080i/p up to 500' (152m) via Cat 5 UTP, respectively •Available with color-coded RCA cable connectors •Supports either digital audio (5000050, or 500051), or analog audio (500052, or 500053) on fourth twisted pair •Modular shielded RJ-45 connector •Used in pairs, sold separately

Order #	Mfr. #	Connectors	Audio	(ea.)
33-10060	500050	Male RCA	Digital	\$104.00
33-10061	500051	Female RCA	Digital	104.00
33-10062	500052	Male RCA	Analog	104.00
33-10063	500053	Female RCA	Analog	104.00



MuxLab VideoEase™ Component Video Balun

The VideoEase™ Component Video Balun allows a single component video signal (Y, Pb, or Pr) to be transmitted via cost-effective unshielded twisted pair (UTP) cable. Three balun pairs are required for one complete component (YPbPr) video connection. The product allows three coaxial cables to be replaced by one Cat 5 twisted pair cable, allowing standard structured cabling techniques to be used for neater and more streamlined cabling. The component video balun is compact enough to allow three units to be connected side by side on the back of the component video equipment. **Features and benefits:** •Supports one component of the YPbPr video signal •Three balun pairs required per YPbPr connection •Up to 1,000' (305m) via Cat 5 UTP •Gold-plated connector •Cable strain relief •Compact design •Lifetime warranty •Design patent pending

Order #	Mfr. #	(ea.)
33-9755	500021	\$37.95



MuxLab VideoEase PS/2 Convertor Balun

•Allows PS/2 devices to be located up to 350' away from the PC •Using inexpensive 4-pair Cat 5 shielded twisted pair or unshielded twisted pair cable depending on the equipment used •Used in pairs, #33-10105 balun eliminates the need for a local keyboard and mouse •Typical applications include corporate projection systems, classroom video instruction and video information systems

Order #	Description	Mfr. #	(ea.)
33-10105	PS/2 remote PS/2 side	500045	\$35.00



MuxLab VideoEase™ Audio Balun

The VideoEase™ Audio Balun allows any unbalanced analog audio signal to be transmitted via a single unshielded twisted pair (UTP) cable for more versatile cabling. Used in pairs, the audio balun eliminates costly and bulky coax cable, allowing consumer and commercial audio equipment to be connected using standard premises wiring techniques. One or two pair of baluns are required depending on whether the application is for monaural or stereo audio. The audio balun features screw terminals and built-in cable strain relief for ease of installation and reliable connectivity. Applications include auditoriums, arenas, schools, home theater systems, airports, hotels, hospitals, conference rooms. **Features and benefits:** •Eliminates coax cable •Up to 5,000' (1.5km) via Cat 5 UTP •20~20KHz bandwidth •Gold-plated RCA connector •Cable strain relief •Compact design •Lifetime warranty •Design patent pending

Order #	Mfr. #	(ea.)
33-9745	500019	\$37.95



MuxLab RGB Baluns

The VideoEase RGB Balun allows a single red/green/blue component video signal to be transmitted via unshielded twisted pair (UTP) cable in a point-to-point connection. The RGB balun eliminates three coaxial cables, allowing RGB audio/video equipment to be connected via space-efficient and cost-effective Cat 5 twisted pair cable. The RGB balun works with RGB equipment that carries the synchronisation pulses on one of the three color signals (ie; sync on green). The RGB balun works with LCD projectors, monitors, plasma screens, matrix switchers, splitters, converters and RGB video equipment and comes with three separate coaxial jumpers for ease of installation. **Features:** Up to 2200' (670m) in color via Cat 5 UTP. Pair required for use, **sold individually.**

Order #	(ea.)
33-9595	\$114.00



MuxLab Stereo A/V Balun

The VideoEase Stereo Audio/Video Balun allows a single composite video signal and a maximum of two unbalanced audio signals to be transmitted via unshielded twisted pair (UTP) cable in a point-to-point connection. The Stereo Audio/Video Balun eliminates up to three coaxial cables, allowing audio/video equipment to be connected via space-efficient and cost-effective Cat 5 twisted pair cable. The Stereo Audio/Video Balun also works in conjunction with MuxLab's Audio/Video Distribution Hub (500200) allowing audio/video programming to be distributed via UTP. **Features:** Up to 2200' (670m) in color via Cat 5 UTP. Pair required for use, **sold individually.**

Order #	Mfr. #	(ea.)
33-9625	500001	\$87.95

MuxLab VideoEase™ Quad Audio Balun

The quad audio balun allows up to four analog line audio signals to be transmitted via unshielded twisted pair cable in a point-to-point connection. One pair of quad audio baluns can replace four coax audio cables with one Cat 5 cable. **Features:** •Unbalanced, line-level analog audio up to 5,000' via Cat 5 cable •Less than 1dB per pair over frequency range. **Used in pairs, sold individually.**

Order #	Mfr. #	(ea.)
33-10115	500033	\$87.95

MuxLab VideoEase Quad Video Balun

•Developed for the security video and audio-video markets, the quad video balun allows up to four composite video channels to be transmitted over one Cat 5 cable, thus replacing up to four coaxial cables for more cost-efficient cabling. •Supporting composite video up to 2,200' (670m) via Cat 5 cable and works in pairs. •Streamlining cabling in applications such as security video, video-conferencing, classroom instruction, tradeshow demos, PC-training, airline information systems and home entertainment systems. **Used in pairs, sold individually**

Order #	Description	Mfr. #	(ea.)
33-10110	Quad VGA balun	500032	\$87.95

MuxLab VideoEase™ MonoPro™ XLR

The MonoPro™ XLR connectors allow a standard AES analog or digital audio channel to be connected via Cat 5 unshielded twisted pair cable (UTP) in the professional audio environment. The product features rugged cable strain relief and comes with locking XLR3 connectors for added cabling versatility. **Features:** •Rugged cable strain relief •Line analog audio up to 5,000' (1.5km) via Cat 5 •Digital audio up to 1,400' (426m) via Cat 5 •Wires terminate inside product •Locking XLR3 connector •Optional wire terminal for ground/shield (if required) •Up to 5,000' and 1,400' via Cat 5 for analog or digital audio, respectively.

Order #	Mfr. #	Description	(ea.)
33-10050	500025	MonoPro™ XLR male	\$35.00
33-10055	500026	MonoPro™ XLR female	35.00

MuxLab VideoEase Active VGA Balun Kit

•Extends the distance between the computer system unit and a remote display monitor by up to 480'. •It accomplishes this by means of a local transmitting unit, and remote receiving unit, connected by standard Cat 5 twisted pair ethernet cable

Features: •Uses Cat 5 ethernet cable: For economy; easy installation; and utmost data transfer reliability •High resolution video: Up to 1800 x 1440 at 100 meters •Supports VGA and SVGA monitors •Long distance transmission, up to 160m (480') •Local unit includes port for local monitor

Order #	Mfr. #	(kit)
33-10120	500035	\$359.00

MuxLab VideoEase™ CCTV Pass-Thru Balun

The VideoEase™ CCTV Pass-Thru Balun allows video, two-wire PTZ control, and remote power to be transmitted via one 4-pair Cat 5 cable, thus eliminating the need to install multiple cables for more efficient cabling in the CCTV security and surveillance environment. The pass-thru balun may be used in pairs, or in conjunction with standard twisted pair cross-connect devices and other MuxLab CCTV baluns such as the 500000, 500009, 500023 and 500015. **Features:** •Combines video, PTZ control and remote power under one 4-pair Cat 5 cable for more efficient cabling •Video up to 2,200' (670m) via Cat 5 UTP •Remote power up to 350' (106m) @ 24VAC/5VA via two twisted pairs

Order #	Mfr. #	(ea.)
33-10065	500022	\$39.00

MuxLab CATV Balun

The VideoEase CATV Balun allows traditional 75ohm coaxial cable to be replaced by a single pair of Cat 5 UTP cable in the CATV, VHF and FM environments in certain applications. The CATV Balun allows broadband CATV equipment to be integrated into structured cabling systems thereby allowing CATV equipment to be moved or added to any convenient modular wall outlet. The VideoEase CATV Balun provides a versatile cabling solution for broadband video systems used by schools, government, corporations, hospitals, financial institutions, hotels and convention centers. The CATV balun works in conjunction with CATV splitters, amplifiers and cable modems for a total cabling solution. **Features:** Low return loss eliminates "ghosting". Pair required for use, **sold individually**.

Order #	Mfr. #	(ea.)
33-9630	500302	\$63.95

MuxLab 16 Port Rackmount Balun Chassis

The rackmount balun chassis is designed as a head-end cable management solution to allow any combination of MuxLab square baluns to be installed in a 19" relay rack. **Features:** •Supports up to 16 baluns •Baluns install forward rear-facing •Space efficient, 2U height •Latch mechanism for secure installation •Snap-in design for ease of installation •Includes four rackmount screws and washers •Slot number silkscreen on front and rear •Mfr. #500900

Order #	(ea.)
33-9620	\$259.00



MuxLab VideoEase™ VGA Balun II Over UTP

Supporting distances up to 350', the VideoEase™ VGA Balun II is a passive device that fully supports VGA and SVGA (RGBHV) transmission via one Cat 5 UTP cable without the need for shielded twisted pair (STP) cable. This breakthrough technology allows VGA equipment to be deployed more easily in both new and pre-wire structured cabling environments. **Used in pairs, sold individually.**

Order #	Description	Mfr. #	(ea.)
33-9601	PC side (HD15-male)	500040	\$105.00
33-9602	Monitor side (HD15-female)	500041	105.00
33-9603	Monitor side (HD15-male)	500042	105.00



MuxLab Audio/Video Hub

The VideoEase Audio-Video Hub allows up to two baseband composite or one S-video signal and up to two audio signals to be distributed to up to eight destinations via twisted pair (UTP) cable for more cost-effective and versatile cabling. The Audio-Video Hub when used in conjunction with MuxLab's line of VideoEase baluns, allows coaxial cable to be eliminated between the audio-video source and the destinations. The product works with the CCTV Baluns (500000, 500009), Stereo Audio-Video Balun (500001), Dual Audio-Video Balun (500012) and S-Video Baluns (500016, 500017). A looping output allows the source input to be distributed to other baseband audio/video equipment including matrix switchers, multiplexers, VCRs and monitors. **Applications include:** Classroom audio/video instruction, corporate audio/video presentations, tradeshow demonstration systems, CCTV security and surveillance. **Features:** Up to 2200' in color via Cat 5 twisted pair cable. 2-year warranty.

Order #	Mfr. #	(ea.)
33-9615	500200	\$649.00



MuxLab 16 Port Passive CCTV Hub

The passive 16 port CCTV hub allows video, remote power and PTZ control to be transmitted via one Cat 5 cable, thus eliminating the need to install multiple cables for more efficient cabling in the security video environment. The model 500130 features female BNC connections for coax video output, and the 500131 has female RJ-45 connectors for twisted pair video output. **Features:** Space efficient 1U height •Supports up to 16 inputs •Port switch to set power-thru, or pass-thru •Pin configuration table on unit •Works in conjunction with 500000, 500009, 500015, 500022, 500023, 500024, 500029 and 500120 baluns.

Order #	Mfr. #	(ea.)
33-10125	500130	\$260.00
33-10130	500131	260.00

**MCM CUSTOM AUDIO****Component Video Balun**

Use to send Y/Pb/Pr component video signals over Cat 5 cable. This balun features three gold plated male RCA connectors on the end of 8" pigtailed color coded red, green and blue. Additionally, a female orange RCA connector provides path for digital audio (SPDIF). Included is a hook and loop tape set which allows direct attachment to the rear of plasma and other monitors. Cat 5 connection is a single female RJ-45 jack. Utilizes four pairs: •Red: Pin 7/8

- Green: Pin 3/6 •Blue: Pin 1/2 •SPDIF: Pin 4/5
- Specifications:** •Distance: 400' max (Cat 5)
- Dimensions: 1.0" (H) x 3.2" (W) x 2.4" (L)

Order #	MSRP	(1-3)	(4-up)
50-7722	\$109.00	\$63.95	\$52.95

**MCM CUSTOM AUDIO****Component Video Balun**

Use to send Y/Pb/Pr component video signals over Cat 5 cable. This balun features three gold plated female RCA connectors, color coded red, green and blue, and a single female RJ-45 jack. Utilizes three Cat 5 cable pairs: •Red: Pin 7/8 •Green: Pin 3/6 •Blue: Pin 1/2. **Specifications:** •Bandwidth: 50Hz~8MHz •Dimensions (excluding connectors): 1.0" (H) x 3.2" (W) x 2.4" (L)

Order #	MSRP	(1-3)	(4-up)
50-7720	\$99.95	\$58.95	\$49.95

**MCM CUSTOM AUDIO** Line Level Audio Balun

Use to send a single channel of line level audio over Cat 5 cable, this compact balun features a male RCA connector for easy attachment directly to equipment. Multiple baluns may be used to accommodate numerous audio channels. A specially designed tool-less IDC connector provides quick, reliable connection to unterminated Cat 5 cable. **Specifications:**

- Bandwidth: 50Hz~8MHz •Distance: 1000' max (Cat 5)
- Dimensions (excluding connector): 0.813" (H) x 0.813" (W) x 1.875" (L)

Order #	MSRP	(1-3)	(4-up)
50-7742	\$25.95	\$15.29	\$12.95

**MCM CUSTOM AUDIO** RCA Composite Video Balun

Use to send composite video signal over Cat 5 cable, this balun features very compact size, and a male RCA connector for easy attachment directly to equipment including monitors, VCRs, DVD players, processors and cameras. A specially designed tool-less IDC connector provides quick, reliable connection to unterminated Cat 5 cable. **Specifications:** •Bandwidth: 50Hz~8MHz •Distance: 1000' max, using 24AWG UTP •Dimensions (excluding connector): 0.813" (H) x 0.813" (W) x 1.875" (L)

Order #	MSRP	(1-3)	(4-up)
50-7748	\$25.95	\$15.29	\$13.59

MCM CUSTOM AUDIO Audio/Video to Category 5 Balun System

Take advantage of Cat 5 (or higher) cable for interconnecting A/V components over long distances. Common signal formats such as composite video, RGB component video, S-video and line level audio can easily be sent over UTP cable distances from 400'~1000' depending on model. In retrofit applications, utilize existing unused pairs of Cat 5 data cable already in place. In new construction, take advantage of the smaller size and lower cost of Cat 5 cable when distributing signals throughout the structure. Housed in compact ABS enclosures, each balun accepts standard RJ-45 male connectors. Completely passive design, these units require no power. Each unit is clearly labeled to identify which RJ-45 connector pair is used for the designated signal path. Sold individually, all baluns must be used in pairs.

**MCM CUSTOM AUDIO****L/R Audio/Video Balun**

Use to send composite video, plus two channels of unbalanced line level audio over Cat 5 cable. This balun features three 8" pigtailed with gold plated male RCA connectors, color coded red, white and yellow, and a single female RJ-45 jack. Utilizes three Cat 5 cable pairs: •Red: Pin 1/2 •White: Pin 3/6 •Yellow: Pin 7/8 **Specifications:** •Video bandwidth: 50Hz~8MHz •Audio bandwidth: 10Hz~50KHz •Distance: 1000' max (Cat 5) •Dimensions (excluding connectors): 1.0" (H) x 2.36" (W) x 3.22" (L)

Order #	MSRP	(1-3)	(4-up)
50-7732	\$79.95	\$46.95	\$39.95

**MCM CUSTOM AUDIO****L/R Audio/Video Balun**

Use to send composite video, plus two channels of unbalanced line level audio over Cat 5 cable. This balun features three gold plated female RCA connectors, color coded red, white and yellow, and a single female RJ-45 jack. Utilizes three Cat 5 cable pairs: •Red: Pin 1/2 •White: Pin 3/6 •Yellow: Pin 7/8. **Specifications:** •Video bandwidth: 50Hz~8MHz •Audio bandwidth: 10Hz~50KHz •Dimensions (excluding connectors): 1.0" (H) x 2.36" (W) x 3.22" (L)

Order #	MSRP	(1-3)	(4-up)
50-7730	\$79.95	\$46.95	\$39.95

**MCM CUSTOM AUDIO** Video Balun

Use to send composite video signal over Cat 5 cable. This balun features a gold plated female RCA connector, and female RJ-45 jack. Screw terminals are available for connecting unterminated Cat 5 cable. Utilizes one pair (pin 7/8) of Cat 5 cable. **Specifications:** •Maximum distance: 1000' •Bandwidth: 50Hz~8MHz •Dimensions (excluding connector): 1.0" (H) x 0.85" (W) x 2.0" (L)

Order #	MSRP	(1-3)	(4-up)
50-7710	\$34.95	\$18.95	\$16.95

#50-7727

**MCM CUSTOM AUDIO****Two Channel Balanced Audio Balun**

Send two balanced channels of line level audio over a single Cat 5 cable at distances of up to 1000'. Rugged steel housing features two XLR connectors on one side, and a single female RJ-45 connector on the other. Compatible with commonly available pre-terminated network cables, the unit includes full termination instructions. **Specifications:** •Frequency response: 10Hz~50KHz, -0.5dB, +4dB •THD: 0.1% @1KHz •Dimensions: 1.1" (H) x 3.5" (W) x 2.5" (D) •Male and female models may be intermixed •Sold individually, baluns must be used in pairs

Order #	XLR	MSRP	(1-3)	(4-up)
50-7727	Female	\$109.00	\$63.95	\$57.95
50-7728	Male	109.00	63.95	57.95

1-800-543-4330

Fax 1-800-765-6960



Compact individual baluns combine the advantages of Cat 5 cable for interconnecting A/V components over long distances, with the flexibility of Keystone wall plates. The rear of the balun features a specially designed tool-less IDC connector for easy connection of unterminated Cat 5 cable. The front is a RCA female connector. Configure Keystone wall plates with exactly the connections that are needed for each independent application. Baluns are effective at distances from 400'-1000' depending on model, and may be intermixed with other MCM Custom Audio Baluns. Sold individually, all baluns must be used in pairs.



See additional BNC type baluns in the security section.
See page 243.



Keystone Mount Composite Video Balun

Intended to send composite video signal over Cat 5 cable, this balun features an RCA female connector with yellow insert, for easy identification as the video path. Rear mounted IDC connector allows simple, fast connection to unterminated Cat 5 cable. Maximum distance: 1000'. **Sold individually.**

Order #	MSRP	(1-3)	(4-up)
50-7715	\$34.95	\$18.95	\$16.25



Keystone Mount Composite Video Balun

Intended to send composite video signal over Cat 5 cable, this balun features a BNC female connector and is ideal for use in video surveillance applications. Rear mounted IDC connector allows simple, fast connection to unterminated Cat 5 cable. Maximum distance: 1000'. **Sold individually**

Order #	MSRP	(1-3)	(4-up)
50-7716	\$34.95	\$18.95	\$16.25



Keystone Mount Digital Audio Balun

Intended to send digital audio (SPDIF) signal over Cat 5 cable, this balun features an RCA female connector with orange insert, for easy identification as the digital audio path. Rear mounted IDC connector allows simple, fast connection to unterminated Cat 5 cable. Maximum distance: 1000'. **Sold individually.**

Order #	MSRP	(1-3)	(4-up)
50-7755	\$34.95	\$18.95	\$16.25



Keystone Mount DC Power Connection

This keystone insert features a standard barrel jack which accepts connection from most AC adaptors. It is essential when low voltage must be inserted into a Cat 5 pair for remote distribution. It is ideal for remote powering of small LCD monitors, video cameras, IR repeater systems and similar items. Rear mounted IDC connector allows simple, fast connection to unterminated 22-24AWG solid or stranded wire. Maximum voltage: 24VAC/DC, 1A. Barrel size: 2.1mm I.D., 5.5mm O.D. **Sold individually**

Order #	MSRP	(1-3)	(4-up)
50-7752	\$11.95	\$6.99	\$5.95

MCM CUSTOM AUDIO

Keystone Mount Component Video Baluns

Intended to send Y/Pb/Pr component video signals over Cat 5 cable, these baluns are sold as individual red, blue and green units. Internally identical units feature RCA female connectors with the appropriate color code insert, for easy identification of each video signal path. Rear mounted IDC connector allows simple, fast connection to unterminated Cat 5 cable. **Sold individually.**

Order #	Color	MSRP	(1-3)	(4-up)
50-7765	Red	\$34.95	\$19.95	\$15.29
50-7766	Blue	34.95	18.95	15.29
50-7767	Green	34.95	18.95	15.29



MCM CUSTOM AUDIO

Keystone Audio Baluns

Intended to send line level audio signals over Cat 5 cable, these baluns are sold as individual red and white units. Internally identical units feature RCA female connectors with the appropriate color code insert, for easy identification of left or right audio channel. Rear mounted IDC connector allows simple, fast connection to unterminated Cat 5 cable. Maximum distance: 1000'. **Sold individually.**

Order #	Color	MSRP	(1-3)	(4-up)
50-7760	Red	\$36.95	\$20.95	\$17.95
50-7761	White	36.95	20.95	17.95



MCM CUSTOM AUDIO

Keystone Mount 3.5mm Connector

This keystone insert features a standard 3.5mm three-conductor female jack which may be used in two or three conductor applications. It is ideal any time a 3.5mm connector is needed at a wall plate. Rear mounted IDC connector allows simple, fast connection to unterminated Cat 5 cable, or any 22-24AWG solid or stranded, UTP or shielded wire. Maximum voltage: 24VAC/DC, 1A. **Applications:** • Remote location of headphone jacks • Remote microphone connections • Remote input from PC sound card, MP3 player or iPod™ • IR repeater connection • Remote triggering of A/V components • Low voltage DC connection **Sold individually**

Order #	MSRP	(1-3)	(4-up)
50-7753	\$12.95	\$7.39	\$6.29

NEW

#50-10255

#50-10265
and 50-10270

#50-10250

MCM CUSTOM AUDIO

VGA Balun Series

Ideal when computer monitor or other high resolution video signal needs to be sent long distances. Cable runs are greatly eased by the use of smaller, lower cost Cat 5 UTP cable. These are perfect for installation of multimedia systems in educational environments, boardrooms and public areas. All units consist of an HD-15 connector for connection to the PC or monitor, and a female RJ-45 for connection to the UTP cable. Four different configurations are available, allowing a wide variety of installation possibilities. **Distance (Cat 5):** • VGA (640 x 480): 450' • SVGA (800 x 600): 350' • XGA (1024 x 768): 250' • SXGA (1280 x 1024): 200' **Note:** Baluns are sold individually and must be used in pairs. A pair must include one PC side balun and one monitor side balun.

VGA

Order #	Type	Side	Connector	MSRP	(1-3)	(4-up)
50-10250	In-line	PC	Male	\$99.95	\$44.95	\$37.95
50-10255	In-line	Monitor	Female	99.95	44.95	37.95
50-10265	Wall plate	Monitor	Female	99.95	44.95	37.95
50-10270	Wall plate	PC	Female	99.95	44.95	37.95

Back



MCM CUSTOM AUDIO

L/R Audio Plus S-Video Balun

Use to send S-video, plus two channels of unbalanced line level audio, over Cat 5 cable. Independent balun circuits provide separate paths for chroma and luminance signals, and left and right audio signals, utilizing four pairs of Cat 5 cable. This balun features a female 4 pin S-video connector, two gold plated female RCA connectors, color coded red and white, and a female RJ-45 jack.

Specifications: • Pairs utilized: Luminance 7/8, Chroma, 4/5, Audio (red) 1/2, • Audio (white) 3/6 • Video bandwidth: DC~6MHz • Audio bandwidth: 10KHz~50KHz • Dimensions (excluding connectors): 1.0" (H) x 2.36" (W) x 3.22" (L)

Order #	MSRP	(1-3)	(4-up)
50-7740	\$99.95	\$58.95	\$51.95



MCM CUSTOM AUDIO

S-Video Balun

Use to send S-video signal over Cat 5 cable. Independent balun circuits provide separate paths for chroma and luminance signals, utilizing two pairs of Cat 5 cable. This balun features a female 4 pin S-video connector, and female RJ-45 jack. Utilizes pin 7/8 (luminance) and pin 4/5 (chroma). **Specifications:**

• Bandwidth: DC~6MHz • Dimensions: 1.19" (dia.) x 2" (L)

Order #	MSRP	(1-3)	(4-up)
50-7735	\$39.95	\$23.95	\$20.95

NET 30 Terms



MasterCard

